mamiya

SERVICE MANUAL

FOR

Mamiya RB 67

Camera Body

Roll Film Holder

Revised Edition

Mamiya
CAMERA CO., LTD.
TOKYO, JAPAN

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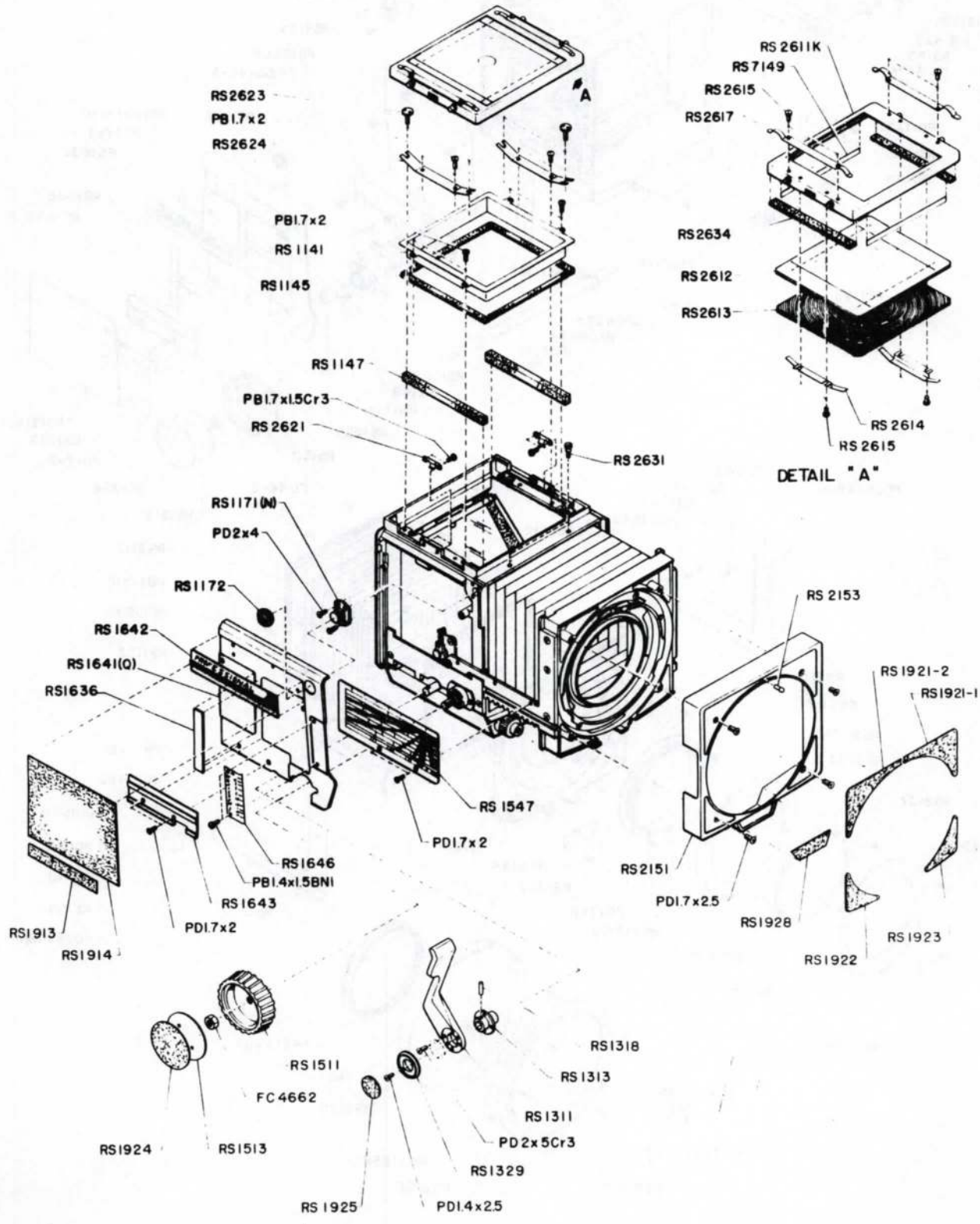
EXPLODED VIEWS

Revised Edition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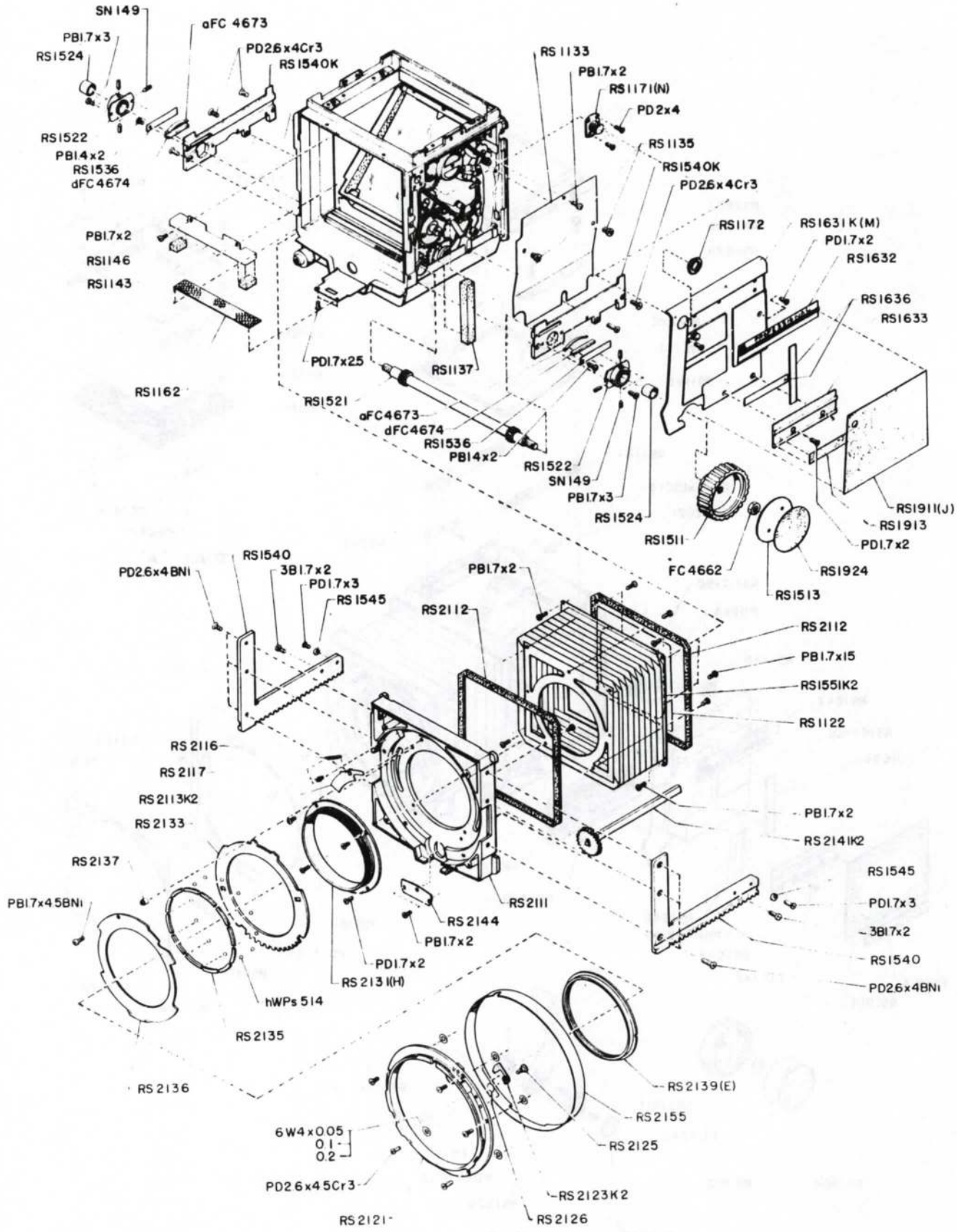
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RS2112
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RS2144
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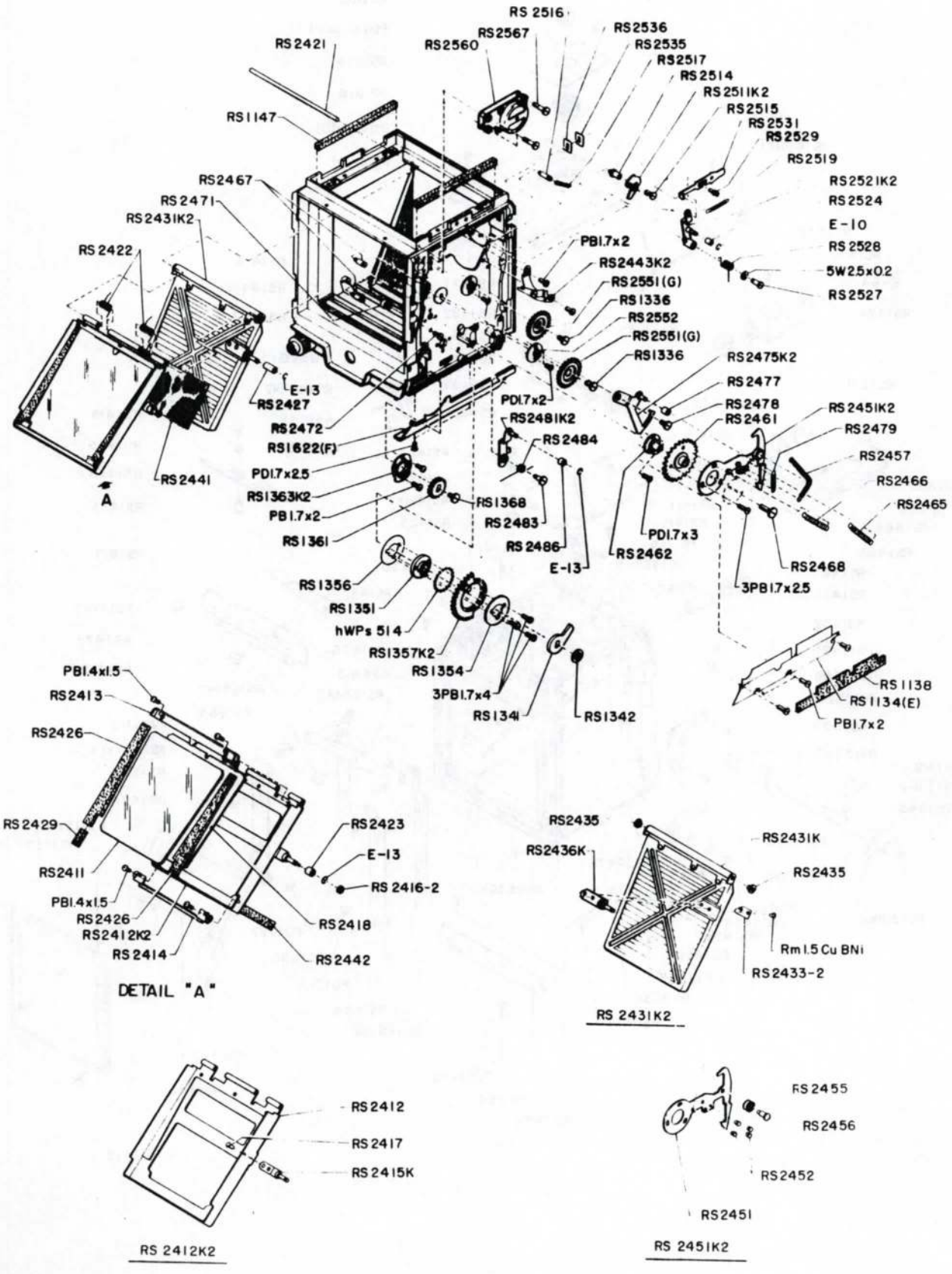
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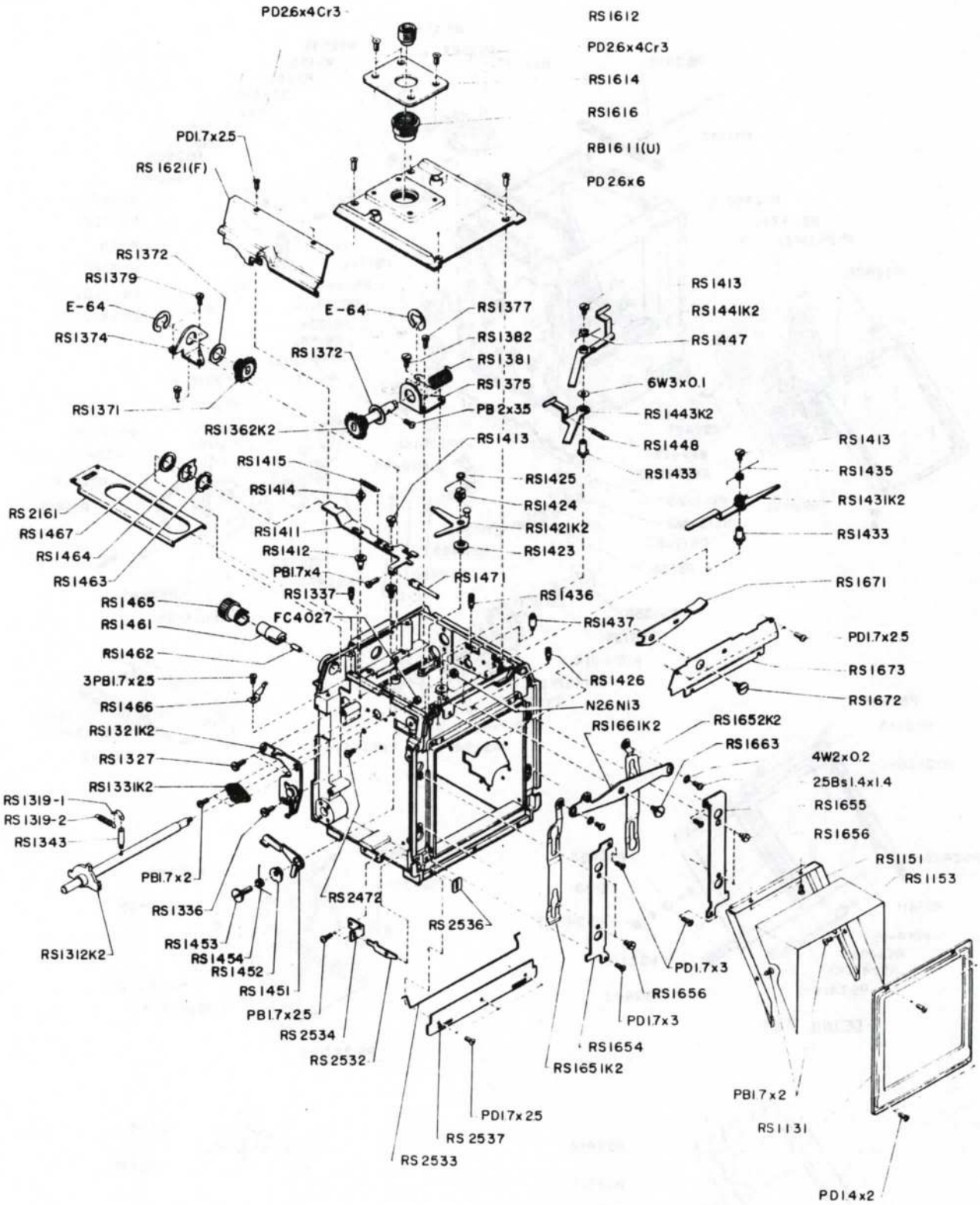
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RS1362K2
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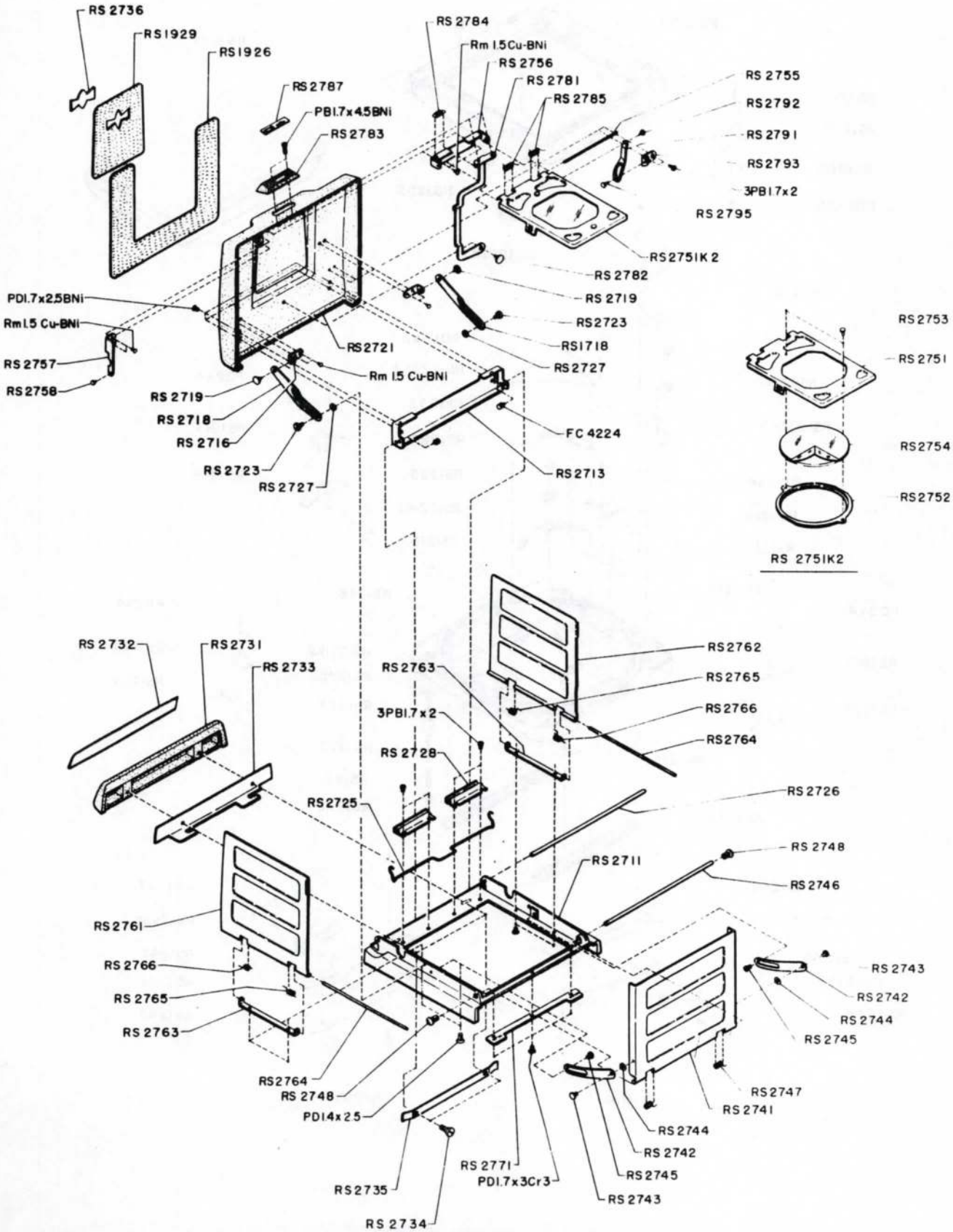
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RS 2755
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RS2751K2
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RS 2758
RS2721
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RS 2751K2
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RS2731
RS 2733
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RS2765
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RS 2728
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RS2746
RS 2711
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RS2763
RS2743
RS2742
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RS2745
RS2747
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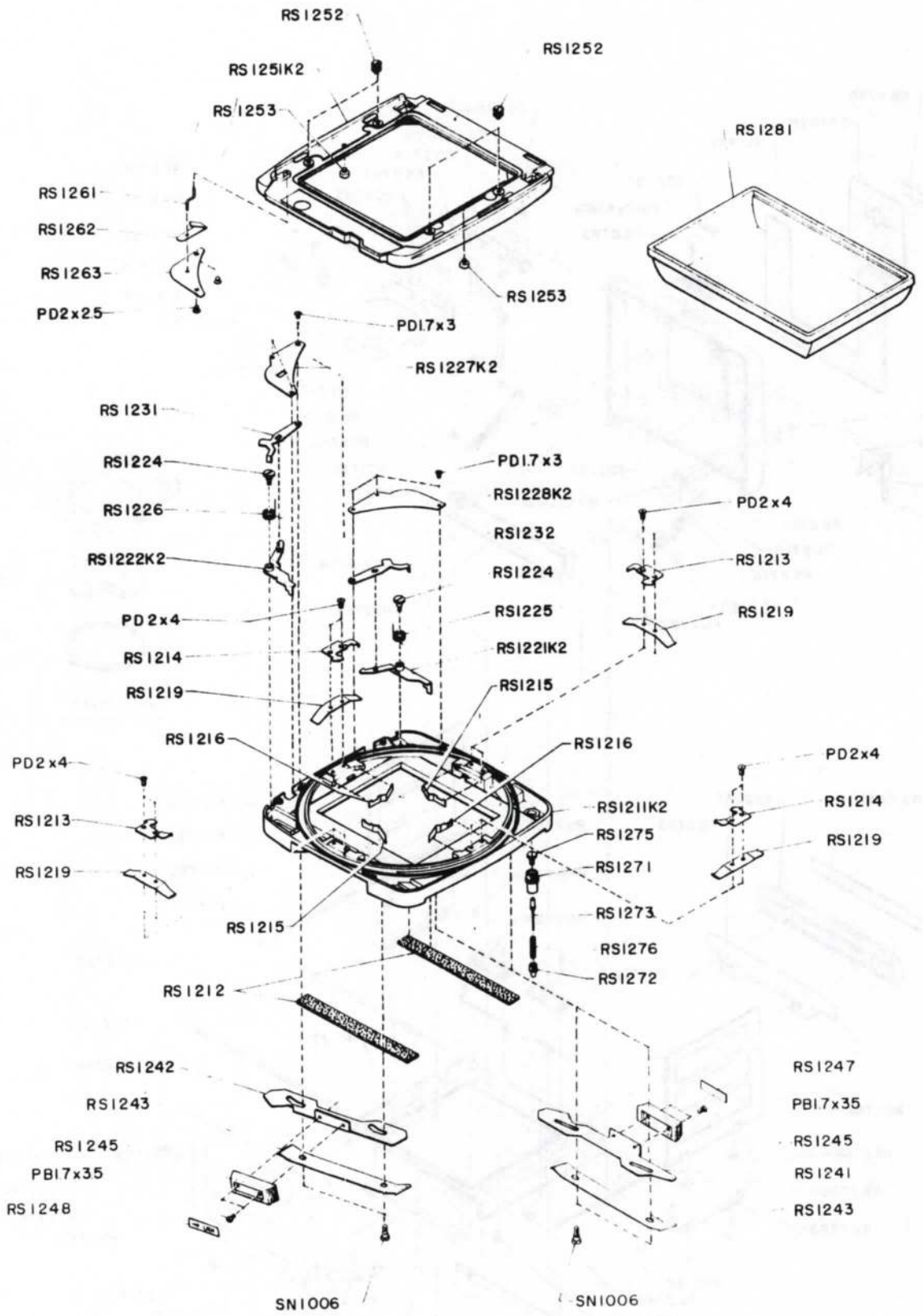
RS 2734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RS1227K2
RS1231
RS1224
PD1.7x3
RS1228K2
RS1226
PD2x4
RS1232
RS1222K2
RS1213
RS1224
PD2x4
RS1225
RS1219
RS1214
RS1221K2
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PD2x4
RS1213
RS1214
RS1211K2
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RS1271
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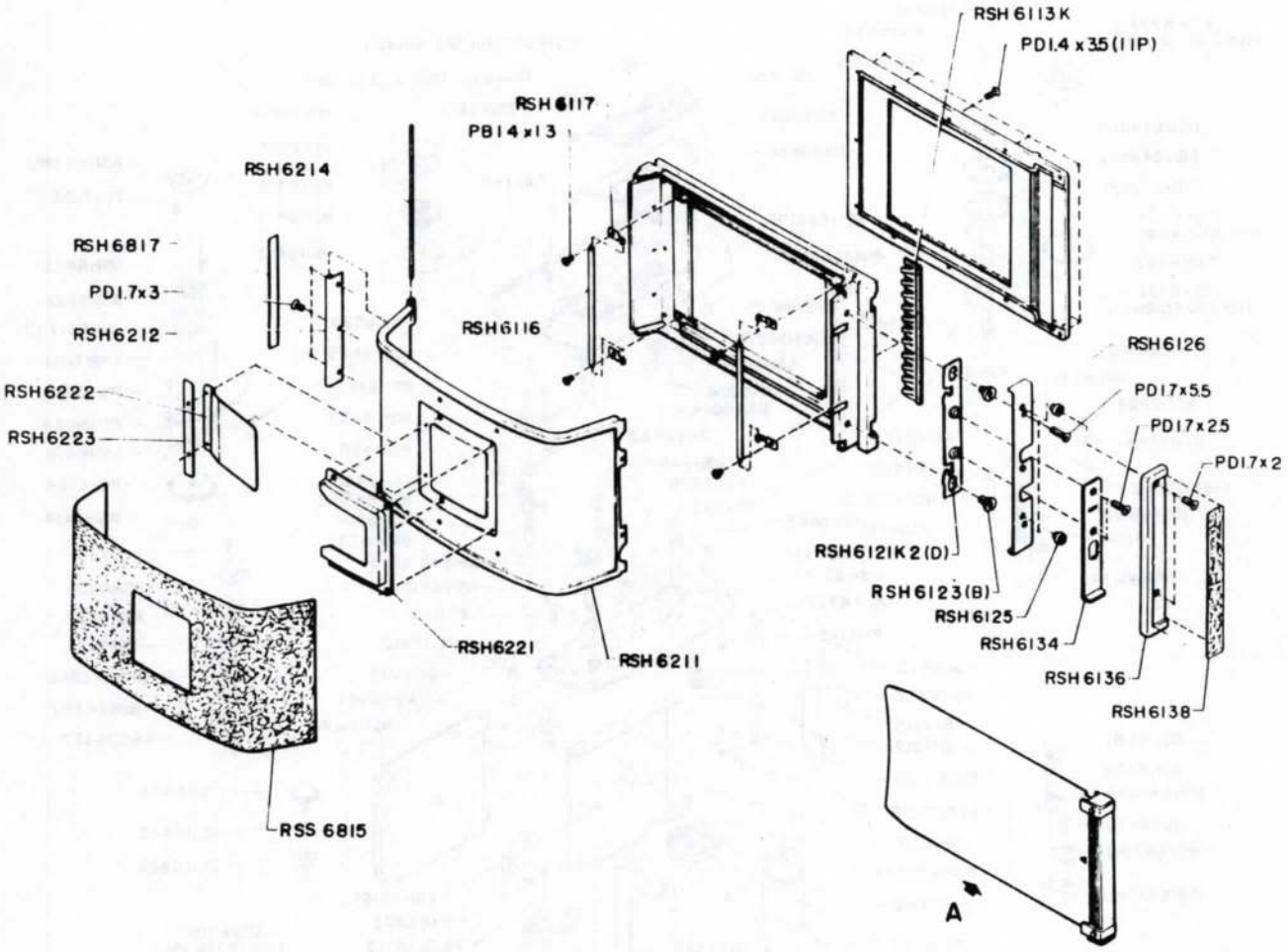
SN1006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RSH6222
RSH6223
RSH6126
PD1.7x5.5
PD1.7x2.5
PD1.7x2
RSH6121K2 (D)
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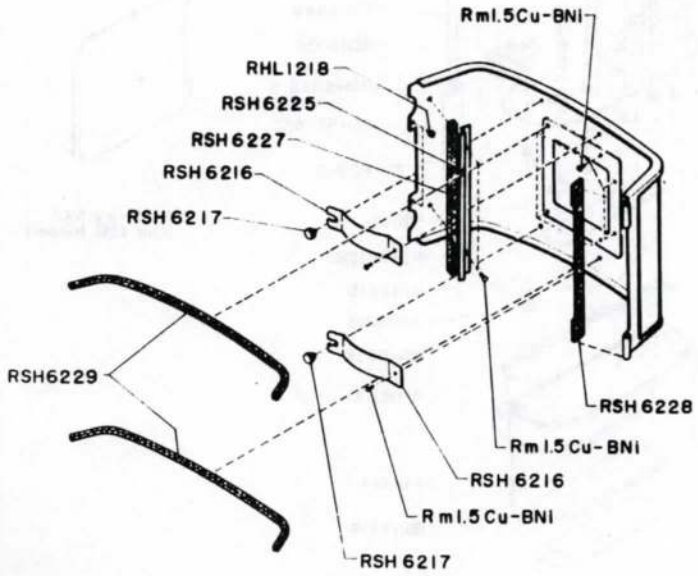
RSH6211
RSS 6815
A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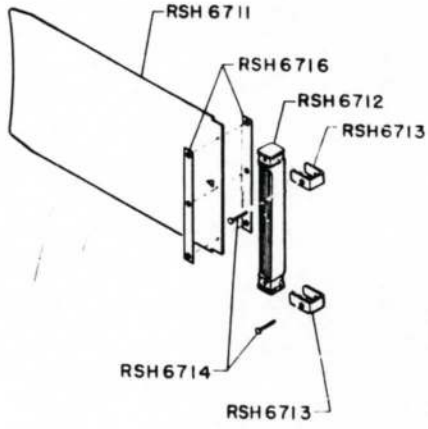
Rm1.5Cu-BNi
RSH6217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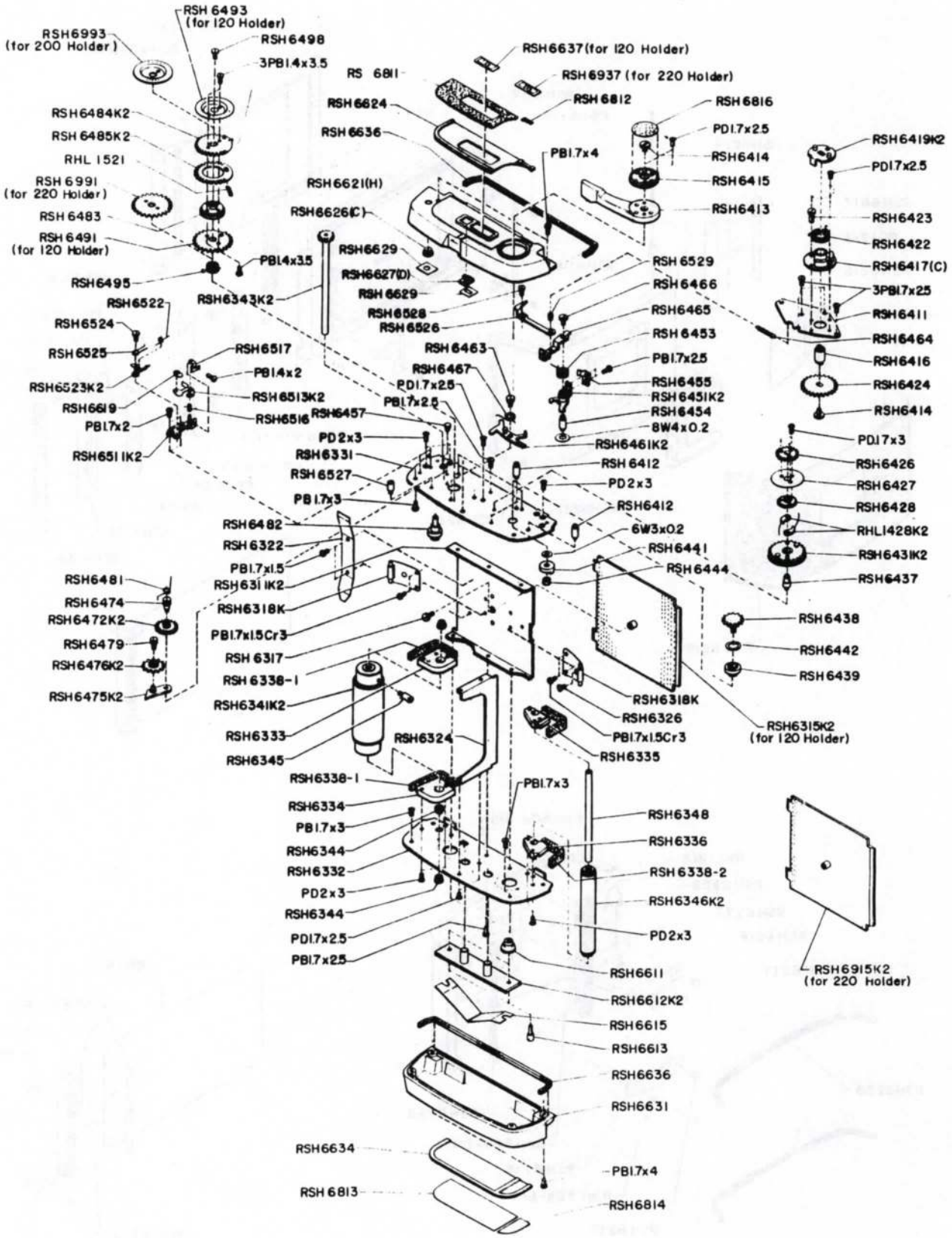
RSH6714
RSH6713

DETAIL "A"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(for 120 Holder)
RSH6993
(for 200 Holder)
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RSH6484K2
RSH 6485K2
RHL 1521
RSH 6991
(for 220 Holder)
RSH 6483
RSH 6491
(for 120 Holder)
PBI.4x3.5
RSH6495
RSH6343K2
RSH6522
RSH6524
RSH6525
RSH6523K2
RSH6619
PBI.7x2
RSH6511K2
RSH6517
PBI.4x2
RSH6513K2
RSH6516
RSH6637(for 120 Holder)
RSH6937 (for 220 Holder)
RS 6811
RSH6812
RSH6624
RSH6636
PBI.7x4
RSH6816
PDI.7x2.5
RSH6414
RSH6415
RSH6413
RSH6621(H)
RSH6626(C)
RSH6629
RSH6627(D)
RSH6629
RSH6528
RSH6526
RSH6529
RSH6466
RSH6465
RSH 6453
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RSH6451K2
RSH6454
8W4x0.2
RSH6461K2
RSH6463
RSH6467
PDI.7x2.5
PBI.7x2.5
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RSH6318K
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RSH6442
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RSH6315K2
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RSH6915K2
(for 220 Holder)
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RSH6472K2
RSH6479
RSH6476K2
RSH6475K2

PARTS LIST

Revised Edition

PARTS LIST

METHOD OF REQUESTING SPARE PARTS FOR REPAIR USE

When ordering spare parts for repair purposes, mark the request in the following manner after referring to our parts lists.

Spare parts are divided as follows:

Not considered usable for repairing x

Can be supplied ..... o

Not available individually but supplied as subassembled parts ..... x*

Can be supplied either as individual parts or as subassemblies ..... o*

NOTE:

When ordering spare parts, always type the complete code and numbers in the Parts No. column of the appropriate parts lists.

Letters in the 'Remarks' column represent the sequence of design modification procedure, indicating that certain parts can be used in common after design modifications, while others cannot.

Example: A-D. E-G

(i) Parts represented by D and E differ from each other in shape and/or dimensions.

(ii) Parts represented by A, B, C, and D can be used in common.

(iii) Parts represented by E, F, and G can be used in common.

Mamiya RB67

(RS)

Parts No.	Description	Pcs.	Ref. Page	Term of Sale	Common Parts NO.
RS 1111K	Body	1	-	x	
RS 1122	Light interception plate	1	2	o	
PB1.7x3BNi	Screw for 1551	4	2	o	RS 1123
RS 1131	Rear light interception frame	1	4	o	
PD1.4x2.5BNi	Screw for 1137	4	4	o	RS 1132
RS 1133	Light interception plate - upper	1	2	o	
RS 1134	Light interception plate - lower	1	3	o	
RS 1135	Screw	2	2	o	
PB1.7x2BNi	Screw for 1134	5	2	o	RS 1136
RS 1137	Light baffle	1	2	o	
RS 1138	Light baffle	1	3	o	
RS 1139	Light baffle				
RS 1141	Light interception frame	1	1	o	
PB1.7x2	Screw for 1141	4	1	o	RS 1142
RS 1143	Light interception cover	1	2	o	
PB1.7x2BNi	Screw for 1143	2	2	o	RS 1144
RS 1145	Light baffle	1	1	o	
RS 1146	Light baffle	1	2	o	
RS 1147	Light baffle	2	1	o	
RS 1151	Light interception frame	1	4	o	
PD1.7x2BNi	Screw for 1151	4	4	o	RS 1152
RS 1153	Reflection absorbing paper	1	4	o	
RS 1156	Reflection absorbing paper	1			
RS 1162	Reflection absorbing paper	1	2	o	

Parts No.	Re-marks	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
RS 1171		Strap lug	2	1, 2	o	
RS 1172		Nut	2	1, 2	o	
PB2x4BNi		Screw for 1171	8	1, 2	o	RS 1173
RS 1211K2		Revolving back assembly	1	-	x	
RS 1212		Light baffle	2	6	o	
RS 1213	A-E.F	Catch angle-A	2	6	o	
RS 1214		Catch angle-B	2	6	o	
RS 1215		Spring-A	2	6	o	
RS 1216		Spring-B	2	6	o	
PD2x3.5 BNi		Screw for 1213, 1214	8	6	o	RS 1218
RS 1219		Spring plate	4	6	o	
RS 1221K2		GL lever-A assembly	1	6	o	
RS 1222K2		GL lever-B assembly	1	6	o	
RS 1224		Shaft	2	6	o	
RS 1225		Spring-A	1	6		
RS 1126		Spring-B	1	6	o	
RS 1227K2		GL cover-A assembly	1	6	o	
RS 1228K2		GL cover-B assembly	1	6	o	
PD1.7x3BNi		Screw for 1227K2, 1228K2	6	6	o	RS 1229
RS 1231		RL.lever-A	1	6	o	
RS 1232		RL,lever-B	1	6	o	
RS 1241		Slide lock,upper	1	6	o	
RS 1242		Slide lock, lower	1	6	o	
RS 1243		Leaf spring	2	6	o	
SN 1006		Screw for 1241, 1242	4	6	o	RS 1244
RS 1245		Knob	2	6	o	
3PB1.7x 3.5BNi		Screw for 1245	4	6	o	RS 1246

Parts No.	Re-marks	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
RS 1247		Look name plate, upper	1	6	o	
RS 1248		Lock name plate, lower	1	6	o	
RS 1251		Revolving back assembly	1	-	x	
RS 1252		Stopper	4	6	o	
RS 1253		Screw	2	6	o	
RS 1261		Curved bar	1	6	o	
RS 1262		Spring	1	6	o	
RS 1263		Spring holder plate	1	6	o	
PD2x2.5 BNi		Screw	2	6	o	
RS 1271		S. adapter	1	6	o	
RS 1272		Sleeve	1	6	o	
RS 1473K2		Rod assembly	1	6	o	
RS 1475		Screw	1	6	o	
RS 1276		Spring	1	6	o	
RS 1281		Body rear cap	1	-	x	
RS 1311		Shutter cocking lever	1	1	o	
RS 1312K2		Cocking lever shaft assembly	1	4	o	
RS 1313		Hub	1	1	o	
PD2x5 cr3		Screw for 1313	4	1	o	RS 1314
RS 1315		Pin	1	1	o	
RS 1319-1	B C-E	Spring	1	1	o	
RS 1319-2	A C-E	Spring	1	1	o	
RS 1321K2		Base plate assembly	1	4	o	
N2		Nut	2	4	o	RS 1325
RS 1327		Screw	2	4	o	
PD1.4x 2.5BNi		Screw for 1329	2	1	o	RS 1328

Parts No.	Re-marks	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
RS 1329		Button cover	1	1	o	
RS 1331K2		Hub assembly	1	4	o	
3PB1.7x 3.5BNi		Screw for 1331K2	2	4	o	RS 1335
RS 1336		Screw	1	4	o	
RS 1337		Anchor	1	4	o	
RS 1341		Arm	1	3	o	
RS 1342	C.D	Nut	1	3	o	
RS 1343		Pin	1	4	o	
RS 1351		Ring	1	3	o	
3PB1.7x 4		Screw for 1351	3	3	o	RS 1352
huPS 514BNi		Steel ball	30	3	o	RS 1353
RS 1354		Cover ring	1	3	o	
RS 1356		Ring washer	1	3	o	
RS 1357K2		Gear assembly	1	3	o	
RS 1361		Gear	1	3	o	
RS 1362K2		Bevel gear shaft assembly	1	4	o	
RS 1363K2		Hub assembly	1	3	o	
PB1.7x2 BNi		Screw for 1363K2	2	3	o	RS 1367
RS 1368		Screw	1	3	o	
PB2x3.5 BNi		Screw for 1381	1	4	o	RS 1369
RS 1371		Bevel gear	1	4	o	
RS 1372		Washer	2	4	o	
E-64		Retaining ring	2	4	o	RS 1373
RS 1374		Base plate, front	1	4	o	
RS 1375		Base plate, side	1	4	o	

Parts No.	Remarks	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
RS 1376		Washer	6	4	o	
RS 1377		Screw	5	4	o	
RS 1379		Screw	3	4	o	
RS 1381		Spring	1	4	o	
RS 1382		Anchor screw	1	4	o	
RS 1411		Release lever	1	4	o	
RS 1412		Screw	2	4	o	
RS 1413		Screw	1	4	o	
RS 1414		Anchor screw	1	4	o	
RS 1415		Spring	1	4	o	
RS 1421K2		Stop lever assembly	1	4	o	
RS 1423		Hub	1	4	o	
RS 1424		Screw	1	4	o	
RS 1425		Spring	1	4	o	
RS 1431K2		Release lever assembly	1	4	o	
RS 1433		Screw	1	4	o	
RS 1413		Screw	1	4	o	RS 1434
RS 1435		Spring	1	4	o	
RS 1436		Anchor screw	1	4	o	
RS 1437		Screw	1	4	o	
RS 1441K2		Lever assembly, upper	1	4	o	
RS 1443K2		Lever assembly, lower	1	4	o	
RS 1433		Shaft	1	4	o	RS 1445
RS 1413		Screw	1	4	o	RS 1446
RS 1447		Spring	1	4	o	
RS 1448		Spring	1	4	o	

Parts No.	Re-marks	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
0.1 6W3x0.2 0.3		Washer for 1443K2	1	4	o	RS 1449
RS 1451		Stop lever	1	4	o	
RS 1452		Hub	1	4	o	
RS 1453		Screw	1	4	o	
RS 1454		Spring	1	4	o	
N2.6		Nut	1	4	o	RS 1458
6W3x0.1		Washer for 1441K2	1	4	o	RS 1459
RS 1461		Shutter button	1	4	o	
RS 1462		Rod	1	4	o	
RS 1463		Nut	1	4	o	
RS 1464		Retaining ring	1	4	o	
RS 1465		Lock ring	1	4	o	
RS 1466		Spring	1	4	o	
RS 1467		Washer	1	4	o	
3PB1.7x 2.5BNi		Screw for 1466	1	4	o	RS 1468
RS 1471	B.C	Bar	1	4	o	
PB1.7x4 BNi		Screw for 1471				RS 1472
RS 1511		Knob	2	1,2	o	
FC 4662		Nut	2	1,2	o	RS 1512
RS 1513		Cover	2	1,2	o	
RS 1521	C.D	Pinion shaft	1	2	o	
RS 1522		Hub	2	2	o	
3PB1.7x 3.5BNi		Screw for 1522	4	2	o	RS 1523
RS 1524		Pipe	2	2	o	
SN 149		Screw	4	2	o	RS 1425

Parts No.	Re-marks	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
PD2.6x 4.5BNi		Screw for 1531, 1532	6	2	o	RS 1533
aFC 4673		Spring	2	2	o	RS 1534
dFC 4674		Braking bar	2	2	o	RS 1535
RS 1536		Hole cover	2	2	o	
PB1.4x2 cr3		Screw for 1536	2	2	o	
RS 1540	C.D-G	Rack plate (one pair)	1	2	o	
PD2.6x 4.5BNi		Screw for 1541, 1542	6	2	o	RS 1543
3B1.7x2		Screw for 1541, 1542	2	2	o	RS 1544
RS 1545		Stopper	2	2	o	
PD1.7x 3.5BNi		Screw for 1545	2	2	o	RS 1546
RS 1547		Distance scale plate	1	1	o	
PD1.7x2 BNi		Screw for 1547	2	1	o	RS 1548
RS 1551K2		Bellows assembly	1	2	o	
PB1.7x 1.8BNi		Screw for 1551K2	5	2	o	RS 1553
PB1.7x 1.5BNi		Screw for 1551K2	2	2	o	RS 1554
RS 1611		Bottom cover	1	4	o	
RS 1612		Screw	1	4	o	
PD2.6x6 BNi		Screw for 1611	4	4	o	RS 1613
RS 1614		Plate	1	4	o	
PD2.6x 4.5cre		Screw for 1614	4	4	o	
RS 1616		Tripod socket	1	4	o	
RS 1621	C.D-F	Side plate, left	1	4	o	
RS 1622	C.D-F	Side plate, right	1	3	o	
PD1.7x 2.5BNi		Screw for 1621, 1622	4	3,4	o	RS 1623

Parts No.	Remarks	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
RS 1631	L.M-Q	Right side plate	1	2	o	
RS 1632	F.G	Decoration plate, upper	1	2	o	
RS 1633	O.E. F-G	Decoration plate, lower	1	2	o	
PD1.7x2 BNi		Screw for 1631	4	2	o	RS 1635
RS 1636-1		Paper	1	1,2	o	
RS 1636-2		Paper	2	1,2	o	
RS 1638		Pin	1	1	2	
RS 1641	L.M-Q	Left side plate	1	1	o	
RS 1642	F.G	Decoration plate, upper	1	1	o	
RS 1643	D.E. F-G	Decoration plate, lower	1	1	o	
PD1.7x2 BNi		Screw for 1641	4	1	o	RS 1645
RS 1646		Distance scale	1	1	o	
PB1.4x 1.3BNi		Screw for 1646	2	1	o	RS 1647
RS 1651K2		Slide assembly	1	4	o	
RS 1652K2		Slide assembly	1	4	o	
RS 1654		Slide cover, right	1	4	o	
RS 1655		Slide cover, left	1	4	o	
RS 1656		Screw	4	4	o	
PD1.7x3 BNi		Screw for 1654, 1655	4	4	o	RS 1657
2.5BS 1.4x1.4		Screw for 1651K2, 1652K2	2	4	o	
RS 1661K2		Slide coupling plate assembly	1	4	o	
RS 1663		Screw	1	4	o	
4W2x0.2		Washer	2	4	o	RS 1664
RS 1671		Lever	1	4	o	

Parts No.	Remarks	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
RS 1672		Screw	1	4	o	
RS 1673		Cover plate	1	4	o	
PD1.7x3 BNi		Screw for 1673	2	4	o	RS 1674
8W4x0.1		Washer	0 to 2	4	0	RS 1675
RS 1911	G.I. J-K	Leatherette for right side plate	1	2	o	
RS 1913	F.G-H	"	2	1,2		
RS 1914	G.H-1	Leatherette for left side plate	1	1	o	
RS 1921-1		Leatherette for LB cover	1	1	o	
RS 1921-2		"	1	1	o	
RS 1922		"	1	1	o	
RS 1923		"	1	1	o	
RS 1924		Leatherette for focusing knob	2	1,2	o	
RS 1925		Leatherette for set lever	1	1	o	
RS 1926		Leatherette	1	5	o	
RS 1928		Leatherette for LB cover	1	1	o	
RS 1929		Leatherette	1	5	o	
RS 2111		Front panel	1	2	o	
RS 2112		Sealing sponge	2	2	o	
RS 2113K2		Spring assembly	1	2	o	
RS 2116		Spring	1	2	o	
RS 2117		Screw	1	2	o	
RS 2121K2		Bayonet assembly	1	2	o	
PD2.6x 4.5cr3		Screw for 2121	5	2	o	
RS 2123K2		Lock lever assembly	1	2	o	
RS 2125		Screw	1	2	o	

Parts No.	Remarks	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
RS 2126	C.D	Spring	1	2	o	
RS 2131		Ring	1	2	o	
PD1.7x 2BNi		Screw for 2131	4	2	o	
RS 2133		Cocking ring	1	2	o	
hWPs 514		Steel ball	12	2	o	RS 2134
RS 2135		Spacer	12	2	o	
RS 2136		Retaining ring	1	2	o	
RS 2137		Base	1	2	o	
RS 2139		Retaining ring	1	2	o	
RS 2141K2		Cocking gear and shaft assembly	1	2	o	
RS 2144		Catch plate	1	2	o	
PB1.7x3 BNi		Screw for 2144, 2145	4	2	o	RS 2146
RS 2151		LB cover	1	1	o	
PD1.7x 2.5BNi		Screw for 2151	4	1	o	RS 2152
RS 2153		Red bead	1	1	o	
RS 2155		Disc	1	2	o	
RS 2161		Hole plate	1	4	o	
PD1.7x 2.5BNi		Screw for 2161	2	2	o	
RS 2411		Mirror	1	3	o	
RS 2412K2		Mirror holder assembly	1	3	o	
RS 2413		Mirror holder, upper	1	3	o	
RS 2414		Mirror holder, lower	1	3	o	
RS 2418		Paper	1	3	o	
PB1.4x 1.5BNi		Screw for 2414	2	3	o	RS 2419-1

Parts No.	Remarks	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
PB1.4x 1.3BNi		Screw for 2413	2	3	o	RS 2419-2
RS 2421		Shaft	1	3	o	
RS 2422		Spring	2	3	o	
RS 2423		Hub	1	3	o	
E-13		Retaining for 2416, 2438	2	3	o	RS 2424
RS 2426		Sealing strip	2	3	o	
RS 2427		Hub	1	3	o	
RS 2429		Cushion	1	3	o	
RS 2431K2		Interception plate	1	3	o	
RS 2441		Curtain	1	3	o	
RS 2442		Sealing sponge	1	3	o	
RS 2443K2		Base assembly	1	3	o	
PB1.7x 2BNi		Screw for 2443K2	2	3	o	RS 2447
RS 2451K2		Mirror raising lever assembly	1	3	o	
RS 2457		Spring	1	3	o	
3PB1.7x 2.5		Screw for 2451K2	3	3	o	RS 2459
RS 2461		Gear	1	3	o	
RS 2462		Shaft	1	3	o	
PD1.7x 3BNi		Screw for 2462	3	3	o	RS 2463
RS 2465		Spring	1	3	o	
RS 2466		Spring	1	3	o	
RS 2467		Anchor screw	2	3	o	
RS 2468		Screw	1	3	o	
RS 2471		Angle pin	2	3	o	
RS 2472		Screw	2	4	o	

Parts No.	Re-marks	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
RS 2475K2		Lever assembly	1	3	o	
RS 2477		Collar	1	3	o	
RS 2478		Screw	1	3	o	
RS 2479		Spring	1	3	o	
RS 2481K2		Hang lever	1	3	o	
RS 2483	B.C-0	Screw	1	3	o	
RS 2484		Spring	1	3	o	
RS 2486		Collar	1	3	o	
E-13		Retaining for 2481K2	1	3	o	RS 2488
RS 2511K2		Signal cam assembly	1	3	o	
RS 2514		Shaft	1	3 o	o	
RS 2515		Screw	1	3	o	
RS 2516		Post screw	1	3	o	
RS 2517		Spring	1	3	o	
5W2.5x0.2		Washer for 2521K2	1	3	o	RS 2518
RS 2519		Spring	1	3	o	
RS 2521K2		Signal lever assembly	1	3	o	
RS 2524		Roller	1	3	o	
E-10		Retaining ring	1	3	o	RS 2526
RS 2527		Screw	1	3	o	
RS 2528		Spring	1	3	o	
RS 2529		Anchor screw	1	3	o	
RS 2531		Lever, right	1	4	o	
RS 2532		Lever, left	1	4	o	
RS 2533		Coupling rod	1	4	o	
RS 2534		Bracket	1	4	o	
RS 2535		Frame	1	3	o	

Parts No.	Re-marks	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
RS 2536		Guide	2	3,4	o	
RS 2537		Catch plate	1	4	o	
PD1.7x 3BNi		Screw for 2537	3	4	o	
PB1.7x 2.5BNi		Screw for 2534	2	4	o	
RS 2551	E.F-G	Gear	2	3	o	
RS 2552	D.	Shaft	2	3	o	
PD1.7x 2.5BNi		Screw	4	3	o	
RS 1336		Screw	2	3	o	RS 2554
RS 2560		Governor	1	3	o	
RS 2567	C	Screw	3	3	o	
RS 2611K		Focusing screen frame assembly	1	1	o	
RS 2612		Protecting plate	1	1	o	
RS 2613		Fresnel lens	1	1	o	
RS 2614		Spring plate	2	1	o	
RS 2615		Screw	8	1	o	
RS 2617		Leaf spring	2	1	o	
RS 2621	D.E	Click	2	1	o	
PB1.7x 1.5cr3		Screw for 2621	4	1	o	RS 2622
RS 2623		Adjusting screw	4	1	o	
RS 2624		Leaf spring	2	1	o	
PB1.7x 2BNi		Screw for 2624	4	1	o	
RS 2631		Screw	2	1	o	
RS 2634		Sealing strip	2	1	o	

Parts No.	Remarks	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
RS 7149		Washer	1 to 2	1	o	RS 2635
RS 2711		FH base frame	1	5	o	
RS 2713		FH front plate	1	5	o	
RS 2714		Velveteen	2	5	o	
RS 2716		Angle base	2	5	o	
Rm1.5CV-BNi		Rivet for 2716	4	5	o	RS 2717
RS 2718		Folding arm	2	5	o	
RS 2719		Hub	2	5	o	
RS 2721		FH cover	1	5	o	
PD1.7x 2.5BNi		Screw for 2721	4	5	o	RS 2722
RS 2723		Flanged screw	2	5	o	
RS 2724		Spring anchor	2	5	o	
RS 2725		Spring	1	5	o	
RS 2726		Shaft	1	5	o	
RS 2727		Washer	2	5	o	
RS 2728		Plate	2	5	o	
3PB1.7x 2BNi		Screw for 2728	4	5	o	RS 2729
RS 2731		Frame	1	5	o	
RS 2732		Name plate	1	5	o	
RS 2733		Base plate	1	5	o	
RS 2734		Guide screw	2	5	o	
RS 2735		Spring	1	5	o	
RS 2736		Mamiya mark	1	5	o	
RS 2741		Rear plate	1	5	o	
RS 2742		Folding bar	2	5	o	

Parts No.	Re-marks	Description	Pcs.	Ref. Page	Term of Sale	Common Parts NO.
RS 2743		Rivet	2	5	o	
RS 2744		Washer	2	5	o	
RS 2745		Boss	2	5	o	
RS 2746		Shaft	1	5	o	
RS 2747		Spring	2	5	o	
RS 2748		Stopper screw	2	5	o	
RS 2751K2		Frame assembly	1	5	o	
RS 2755		Shaft	1	5	o	
RS 2756		Bracket	1	5	o	
RS 2757		Spring	1	5	o	
RS 2758		Pin	1	5	o	
Rml.5 CV-BNi		Rivet for 2756, 2757	4	5	o	RS 2759
RS 2761		FH ring plate	1	5	o	
RS 2762		FH left plate	1	5	o	
RS 2763		Bracket	2	5	o	
RS 2764		Shaft	2	5	o	
RS 2765		Spring	2	5	o	
RS 2766		Spring	2	5	o	
PD1.4x 2.5BNi		Screw for 2763	4	5	o	RS 2767
RS 2771		Plate	1	5	o	
PD1.7x3 cr3		Screw for 2771	3	5	o	RS 2772
RS 2781		Lever	1	5	o	
RS 2782		Rivet	1	5	o	
RS 2783		Knob	1	5	o	
RS 2784		Spring	1	5	o	
RS 2785		Spring	2	5	o	

Parts No.	Re-marks	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
PB1.7x 4.5BNi		Screw for 2783	2	5	o	RS 2786
RS 2787		Mark plate	1	5	o	
RS 2791		Folding bar	1	5	o	
RS 2792		Rivet	1	5	o	
RS 2793		Base plate	1	5	o	
3PB1.7x 2BNi		Screw for 2793	2	5	o	RS 2794
RS 2795		Rivet	1	5	o	

Breakdown List for Special Assembly

Parts No.	Remarks	Description	Pcs.	Ref. Page	Term of Sale
RS 1211K2		Revolving back assembly	1	-	x
-RS 1211		Revolving back	1	-	x
-RS 1251		Revolving back base	1	-	x
RS 1221K2		GL lever-A assembly	1	6	o
-RS 1221		GL lever-A	1	-	x*
-RS 1223		Hub	1	-	x*
-RS 1234		Hub	1	-	x*
RS 1222K2		GL lever-B assembly	1	6	o
-RS 1222		GL lever-B	1	-	x*
-RS 1223		Hub	1	-	x*
-RS 1234		Hub	1	-	x*
RS 1227K2		GL cover-A assembly	1	6	o
-RS 1227		GL cover-A	1	-	x*
-RS 1233		Hub	1	-	x*
RS 1228K2		GL cover-B assembly	1	6	o
-RS 1228		GL cover-B	1	-	x*
-RS 1233		Hub	1	-	x*
RS 1273K2		Rod assembly	1	6	o
-RS 1273		Rod	1	-	x*
-RS 1272		Catch button	1	-	x*

Parts No.	Remarks	Description	Pcs.	Ref. Page	Term of Sale
RS 1312K2		Winding lever shaft assembly	1	4	o
-RS 1312		Winding lever shaft	1	-	x*
-RS 1316		Angle gear	1	-	x*
-RS 1318		Pin	1	-	x*
RS 1321K2		Base plate assembly	1	4	o
-RS 1321		Base plate	1	-	x*
-RS 1322		Hub	1	-	x*
-RS 1323		Collar	1	-	x*
-RS 1324		Pawl	1	-	x*
-RS 1326		Spring	1	-	o
RS 1331K2		Hub assembly	1	4	o
-RS 1331		Hub	1	-	x*
-RS 1332		Ball	1	-	x*
RS 1357K2		Gear assembly	1	3	o
-RS 1357		Gear	1	-	x*
-RS 1358		Pin	1	-	x*
RS 1362K2		Bevel gear assembly	1	4	o
-RS 1362		Gear shaft	1	-	x*
-RS 1371		Gear	1	-	x*
-RS 1378		Pin	1	-	x*

Parts No.	Remarks	Description	Pcs.	Ref. Page	Term of Sale
RS 1363K2		Bearing assembly	1	3	o
-RS 1363		Bearing	1	-	x*
-RS 1331		Bearing	1	-	x*
RS 1421K2		Stop lever assembly	1	4	o
-RS 1421		Stop lever	1	-	x*
-RS 1422		Pin	1	-	x*
RS 1431K2		Release lever assembly	1	4	o
-RS 1431		Release lever	1	-	x*
-RS 1432		Hub	1	-	x*
RS 1441K2		Lever assembly, upper	1	4	o
-RS 1441		Lever	1	-	x*
-RS 1442		Hub	1	-	x*
RS 1331K2		Hub assembly	1	4	o
-RS 1331		Hub	1	-	x*
-RS 1332		Ball	1	-	x*
RS 1357K2		Gear assembly	1	3	o
-RS 1357		Gear	1	-	x*
-RS 1358		Pin	1	-	x*
RS 1362K2		Bevel gear assembly	1	4	o
-RS 1362		Bevel gear	1	-	x*
-RS 1371		Gear	1	-	x*
-RS 1378		Pin	1	-	x*

Parts No.	Remarks	Description	Pcs.	Ref. Page	Term of Sale
RS 1363K2		Hub assembly	1	3	o
├RS 1363		Hub	1	-	x*
└RS 1331		Hub	1	-	x*
RS 1421K2		Stop lever assembly	1	4	o
├RS 1421		Stop lever	1	-	x*
└RS 1422		Pin	1	-	x*
RS 1431K2		Release lever assembly	1	4	o
├RS 1431		Release lever	1	-	x*
└RS 1432		Hub	1	-	x*
RS 1441K2		Lever assembly, upper	1	4	o
├RS 1441		Lever	1	-	x*
└RS 1442		Hub	1	-	x*
RS 1443K2		Lever assembly, lower	1	4	o
├RS 1443		Lever	1	-	x*
└RS 1444		Hub	1	-	x*
RS 1540		Rack plate (one pair)	1	2	o
├RS 1541		Rack plate, right	1	-	x*
├RS 1542		Rack plate, left	1	-	x*
├RS 1531		Guide plate, right	1	-	x*
└RS 1532		Guide plate, left	1	-	x*

Parts No.	Remarks	Description	Pcs.	Ref. Page	Term of Sale
RS 1551K2		Bellows assembly	1	2	o
├RS 1551		Bellows	1	-	x*
├RS 1552		Frame	1	-	x*
└RS 1121		Light interception frame, Outer side	1	-	x*
RS 1651K2		Slide assembly	1	4	o
├RS 1651		Slide	1	-	x*
└RS 1653		Pin	1	-	x*
RS 1652		Slide assembly	1	4	o
├RS 1652		Slide	1	-	x*
└RS 1653		Pin	1	-	x*
RS 1661K2		Slide coupling assembly	1	4	o
├RS 1661		Slide coupling plate	1	-	x*
└RS 1662		Pin	1	-	x*
RS 2113K2		Spring assembly	1	2	o
├RS 2113		Spring	1	-	x*
└RS 2115		Pin	1	-	x*
RS 2121K2		Bayonet assembly	1	2	o
├RS 2121		Bayonet	1	-	x*
├RS 2127		Angle	1	-	x*
└PD1.4x 1.8		Screw for 2127	2	-	x*

Parts No.	Remarks	Description	Pcs.	Ref. Page	Term of Sale
RS 2123K2		Lock lever assembly	1	2	o
├RS 2123		Lock lever	1	-	x*
└RS 2124		Hub	1	-	x*
RS 2141K2		Set gear assembly	1	2	o
├RS 2141		Set gear	1	-	x*
├RS 2142		Pin	1	-	x*
└RS 2147		Shaft	1	-	x*
RS 2412K2		Mirror holder assembly	1	3	o
├RS 2412		Mirror holder	1	-	x*
├RS 2415K		Arm	1	-	x*
└RS 2417		Rivet	2	-	x*
RS 2431K2		Interception plate assembly	1	3	o
├RS 2431K		Interception plate	1	3	o*
├RS 2433-2		Plate	2	3	o*
├RS 2435		Nut	2	3	o*
├RS 2436K		Spring	1	3	o*
├RS 2439		Rivet	2	3	o*
├RS 2437		Reflection absorbing paper	1	3	o
└RS 2441		Curtain	1	3	o
RS 2443K2		Base assembly	1	3	o
├RS 2443		Base	1	-	x*
├RS 2444		Lever	1	-	x*

Parts No.	Remarks	Description	Pcs.	Ref. Page	Term of Sale
RS 2445		Screw	1	-	x*
RS 2446		Spring	1	-	x*
4W2x0.1		Washer	1	-	x*
RS 2451K2		Mirror raising lever assembly	1	3	o
RS 2451		Mirror raising lever	1	3	o
RS 2452		Anchor screw	4	3	o
RS 2455		Wheel	1	3	o
RS 2456		Hub	1	3	o
RS 2475K2		Lever assembly	1	3	o
RS 2475		Lever	1	-	x*
RS 2476		Shaft	1	-	x*
RS 2481K2		Lever assembly	1	3	o
RS 2481		Lever	1	-	x*
RS 2482		Hub	1	-	x*
RS 2487		Shaft	1	-	x*
RS 2511K2		Signal cam assembly	1	3	o
RS 2511		Signal cam	1	-	x*
RS 2512		Boss	1	-	x*
RS 2513		Hub	1	-	x*
RS 2521K2		Signal lever assembly	1	3	o
RS 2521		Signal lever	1	-	x*

Parts No	Remarks	Description	Pcs.	Ref. Page	Term of Sale
RS 2522		Hub	1	-	x*
RS 2523		Bush	1	-	x*
RS 2525		Shaft	1	-	x*
RS 2751K2		Frame assembly	1	5	o
RS 2751		Frame	1	5	o*
RS 2752		Retainer	1	5	o*
RS 2753		Rivet	2	5	o*
RS 2754		Magnifying glass	1	5	o*

120 Roll Film Holder

for Mamiya RB67 (RSH 6000)

Parts No.	Description	Pcs.	Ref. Page	Term of Sale	Common Parts NO.
RSH 6111K	Frame assembly	1	7	x	
RSH 6116	Roller	2	7	o	
RSH 6117	Bracket	4	7	o	
PB1.4x 1.3BNi	Screw	4	7	o	RSH 6118
RSH 6121K2	Latch assembly	1	7	o	
RSH 6123	Guide	2	7	o	
RSH 6125	Pole	2	7	o	
RSH 6126	Latch cover	1	7	o	
PB1.7x 5.5BNi	Screw	2	7	o	RSH 6127
RSH 6134	Lock lever	1	7	o	
PD1.7x 2.5BNi	Screw	2	7	o	RSH 6135
RSH 6136	Lock lever cover	1	7	o	
PD1.7x2	Screw	2	7	o	RSH 6137
RSH 6138	Leatherette	1	7	o	
RSH 6211K2	Back lid	1	7	o	
RSH 6212	Hinge	1	7	o	
PD1.7x 3BNi	Screw	3	7	o	RSH 6213
RSH 6214	Shaft	1	7	o	
RSH 6311K2	Holder for pressure plate	1	8	o	
PB1.7x 2.5BNi	Screw	6	8	o	RSH 6312
RSH 6315K2	Pressure plate assembly	1	8	o	
RSH 6317	Screw	1	8	o	
RSH 6318K	Roller	2	8	o	

Parts No.	Description	Pcs.	Ref. Page	Term of Sale	Common Parts NO.
PB1.7x 1.5cr3	Screw	4	8	o	RSH 6321
RSH 6322	Leaf spring	1	8	o	
PB1.7x 1.5cr3	Screw	2	8	o	RSH 6323
RSH 6324	Bracket	1	8	o	
PD1.7x 2.5BNi	Screw	4	8	o	RSH 6325
RSH 6326	Screw	1	8	o	
RSH 6331K2	Base plate, upper	1	8	o	
RSH 6332K2	Base plate, lower	1	8	o	
RSH 6333	Film guide	1	8	o	
RSH 6334	Film guide	1	8	o	
RSH 6335	Film guide	1	8	o	
RSH 6336	Film guide	1	8	o	
PD2x4BNi	Screw	8	8	o	RSH 6337
RSH 6338-1	Light baffle	2	8	o	
RSH 6338-2	Light baffle	2	8	o	
8W4x0.05	Washer	2	8	o	RSH 6339
RSH 6341K2	Roller assembly	1	8	o	
RSH 6343K2	Shaft assembly	1	8	o	
RSH 6345	Screw	1	8	o	
RSH 6346K2	Roller assembly	1	8	o	
RSH 6348	Shaft	1	8	o	
PD2x3BNi	Screw	2	8	o	RSH 6349
RSH 6411	Base plate	1	8	o	
RSH 6413	Winding lever	1	8	o	
RSH 6414	Screw	1	8	o	

Parts No.	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
RSH 6415	Disc	1	8	o	
RSH 6416	Shaft	1	8	o	
RSH 6417	Hub	1	8	o	
PB1.7x 2.5BNi	Screw	3	8	o	RSH 6418
RSH 6419K2	Disc assembly	1	8	o	
RSH 6422	Spring	1	8	o	
RSH 6423	Screw	1	8	o	
RSH 6424	Gear	1	8	o	
RSH 6414	Screw	1	8	o	RSH 6425
RSH 6426	Gear	1	8	o	
RSH 6427	Disc	1	8	o	
RSH 6428	Gear	1	8	o	
PD1.7x3BNi	Screw	3	8	o	RSH 6429
RSH 6431K2	Gear	1	8	o	
RHL 1428K2	Pawl assembly	2	8	o	RSH 6435
RSH 6438	Gear	1	8	o	
RSH 6439	Hub	1	8	o	
RSH 6441	Coupling piece	1	8	o	
RSH 6442	Spring washer	2	8	o	
6W3x0.2	Washer	1	8	o	RSH 6443
RSH 6444	Nut	1	8	o	
3PB1.7x 2.5BNi	Screw	4	8	o	RSH 6446
PD1.7x 2.5BNi	Screw	2	8	o	RSH 6448
SN 8147	Washer	0 to 2	8	o	RSH 6449
RSH 6451K2	Lever	1	8	o	

Parts No.	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
RSH 6453	Spring	1	8	o	
RSH 6455	Pawl	1	8	o	
3PB1.7x 2BNi	Screw	2	8	o	RSH 6456
8W4x0.2	Washer	1	8	o	RSH 6458
RSH 6461K2	Release lever assembly	1	8	o	
RSH 6463	Screw	1	8	o	
RSH 6464	Spring	1	8	o	
RSH 6465	Release lever	1	8	o	
RSH 6466	Screw	1	8	o	
RSH 6467	Spring	1	8	o	
6W3x0.05	Washer	1	8	o	RSH 6468
RSH 6472K2	Gear assembly	1	8	o	
RSH 6474	Shaft screw	1	8	o	
RSH 6475K2	L-shaped plate	1	8	o	
RSH 6476K2	Gear assembly	1	8	o	
RSH 6479	Screw	1	8	o	
RSH 6481	Spring	1	8	o	
RSH 6483	Base	1	8	o	
RSH 6484K2	Counter dividing device assembly	1	8	o	
RSH 6485K2	Auxiliary dividing disc assembly	1	8	o	
RHL 1521	Spring	1	8	o	RSH 6488
RSH 6491	Film counter gear	1	8	o	
3PB1.4x 3.5BNi	Screw	2	8	o	RSH 6492
RSH 6493	Exposure counter plate	1	8	o	
3PB1.4x 3.5BNi	Screw	2	8	o	RSH 6494

Parts No.	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
RSH 6495	Spring	1	8	o	
RSH 6498	Screw	1	8	o	
RSH 6511K2	Signal base assembly	1	8	o	
3PB1.7x 2BNi	Screw	2	8	o	RSH 6512
RSH 6413K2	Signal assembly	1	8	o	
RSH 6516	Spring	1	8	o	
RSH 6517	Base	1	8	o	
PB1.4x 2BNi	Screw	1	8	o	RSH 6518
RSH 6522	Spring	1	8	o	
RSH 6523K2	Lever assembly	1	8	o	
RSH 6524	Screw	1	8	o	
RSH 6525	Spring	1	8	o	
RSH 6526	Connector	1	8	o	
RSH 6527	Pole	1	8	o	
RSH 6528	Guide screw	1	8	o	
RSH 6529	Screw	1	8	o	
RSH 6611	Film spool holder	2	8	o	
RSH 6612K2	Plate assembly	1	8	o	
RSH 6613	Screw	2	8	o	
RSH 6615	Leaf spring	1	8	o	
RSH 6619	Collar paper	1	8	o	
RSH 6621	Top cover	1	8	o	
PB1.7x 4BNi	Screw	2	8	o	RSH 6622
PB1.7x 3BNi	Screw	2	8	o	RSH 6623
RSH 6624	Decorative cover	1	8	o	
RSH 6626	Signal window	1	8	o	

Parts No.	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
RSH 6627	Counter window	1	8	o	
RSH 6628	Mask	1	8	o	
RSH 6629	Mask	1	8	o	
RSH 6631	Bottom cover	1	8	o	
PB1.7x 4BNi	Screw	2	8	o	RSH 6632
PB1.7x 3BNi	Screw	2	8	o	RSH 6633
RSH 6634	Decorative cover	1	8	o	
RSH 6636	Light baffle	2	8	o	
RSH 6637	Discrimination plate	1	8	o	
RSH 6711K2	Slide cover assembly	1	-	x	
RSH 6811	Leatherette	1	8	o	
RSH 6812	Leatherette	1	8	o	
RSH 6813	Leatherette	1	8	o	
RSH 6814	Leatherette	1	8	o	
RSH 6815	Leatherette	1	7	o	
RSH 6816	Leatherette	1	8	o	
RSH 6817	Name plate	1	7	o	

Breakdown List for Special Assembly (120)

Parts No.	Description	Pcs.	Ref. Page	Term of Sale	Common Parts NO.
RSH 6111K	Frame assembly	1	-	x	
-RSH 6111	Upper frame	1	-	x*	
-RSH 6112	Lower frame	1	-	x*	
-RSH 6113K	Light interception spring plate	1	7	o*	
-PD1.4x4BNi	Screw	11	7	o*	RSH 6115
RSH 6211K2	Back cover assembly	1	7	o	
-RSH 6211	Back cover	1	-	x*	
-RHL 1218	Rivet	2	7	o*	RSH 6215
-RSH 6216	Leaf spring	2	-	x*	
-RSH 6217	Guide pin	2	-	x*	
-Rm 1.5CV-BNi	Rivet	2	-	x*	RSH 6218
-RSH 6221	Memo holder	1	-	x*	
-RSH 6222	Leaf spring	1	-	x*	
-RSH 6223	Plate	1	-	x*	
-Rm 1.5CV-BNi	Rivet	6	-	x*	RSH 6224
-RSH 6225	Flange plate	1	-	x*	
-Rm 1.5CV-BNi	Rivet	2	-	x*	RSH 6226
-RSH 6227	Light baffle	1	7	o*	
-RSH 6228	Light baffle	1	7	o*	
-RSH 6229	Light baffle	2	7	o*	
RSH 6121K2	Latch assembly	1	7	o	
-RSH 6121	Latch	1	-	x*	
-RSH 6122	Boss	2	-	x*	

Parts No.	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
RSH 6311K2	Holder for pressure plate assembly	1	8	o	
├RSH 6311	Holder for pressure plate	1	-	x*	
├RSH 6313	Leaf spring	1	-	x*	
└Rm 1.5CV-Ni3	Rivet	2	-	x*	
RSH 6315K2	Pressure plate assembly	1	8	o	
├RSH 6315	Pressure plate	1	-	x*	
└RSH 6316	Hub	1	-	x*	
RSH 6331K2	Base plate upper assembly	1	8	o	
├RSH 6331	Base plate upper	1	-	x*	
├RSH 6344	Bearing	1	-	x*	
├RSH 6412	Pole	3	-	x*	
├RSH 6437	Shaft	1	-	x*	
├RSH 6454	Shaft	1	-	x*	
├RSH 6457	Anchor	2	-	x*	
└RSH 6482	Shaft	1	-	x*	
RSH 6332K2	Base plate lower assembly	1	8	o	
├RSH 6332	Base plate lower	1	-	x*	
└RSH 6334	Film guide	1	-	x*	
RSH 6343K2	Shaft assembly	1	8	o	
├RSH 6343	Shaft	1	-	x*	
└RSH 6471	Gear	1	-	x*	

Parts No.	Description	Pcs.	Ref. Page	Term of Sale	Common Parts No.
RSH 6346K2	Roller assembly	1	8	o	
-RSH 6346	Roller	1	-	x*	
-RSH 6347	Cap	2	-	x*	
RSH 6419K2	Disc assembly	1	8	o	
-RSH 6419	Disc	1	-	x*	
-RSH 6421	Pin	2	-	x*	
RSH 6431K2	Gear assembly	1	8	o	
-RSH 6431	Gear	1	-	x*	
-RSH 6432	Gear	1	-	x*	
-RSH 6433	Shaft	2	-	x*	
-RSH 6434	Anchor	2	-	x*	
RHL 1428K2	Pawl assembly	2	8	o	
-RHL 1428	Pawl	2	-	x*	RSH 6435
-RSH 6436	Spring	2	-	x*	
RSH 6451K2	Lever assembly	1	8	o	
-RSH 6451	Lever	1	-	x*	
-RSH 6452	Hub	1	-	x*	
RSH 6461K2	Release lever assembly	1	8	o	
-RSH 6461	Release lever	1	-	x*	
-RSH 6462	Anchor	1	-	x*	

Parts No.	Description	Pcs.	Ref. Page	Term of Sale	Common Parts NO.
RSH 6472K2	Gear assembly	1	8	o	
├RSH 6472	Gear	1	-	x*	
└RSH 6473	Gear	1	-	x*	
RSH 6475K2	L-shaped plate assembly	1	8	o	
├RSH 6475	L-shaped plate	1	-	x*	
└RSH 6476	Gear	1	-	x*	
RSH 6476K2	Gear assembly	1	8	o	
├RHL 1459	Gear	1	-	x*	
└RSH 6477	Gear	1	-	x*	
RSH 6484K2	Counter dividing device assembly	1	8	o	
├RSH 6484	Counter dividing device	1	-	x*	
└RSH 6486	Boss	1	-	x*	
RSH 6485K2	Auxiliary dividing disc assembly	1	8	o	
├RSH 6485	Auxiliary dividing disc	1	-	x*	
└CFC 4357	Boss	1	-	x*	RSH 6487
RSH 6511K2	Signal base assembly	1	8	o	
├RSH 6511	Signal base	1	-	x*	
└RSH 6515	Shaft	1	-	x*	
RSH 6513K2	Signal assembly	1	8	o	
├RSH 6513	Signal	1	-	x*	
└RSH 6514	Pin	1	-	x*	

Parts No.	Description	Pcs.	Ref. Page	Term of Sale	Common Parts NO.
RSH 6523K2	Lever assembly	1	8	o	
├RSH 6519	Hook	1	-	x*	
├RSH 6521	Hub	1	-	x*	
└RSH 6523	Lever	1	-	x*	
RSH 6612K2	Plate assembly	1	8	o	
├RSH 6612	Plate	1	-	x*	
└RSH 6614	Pole	2	-	x*	
RSH 6710	Slide cover assembly	1	-	x*	
├RSH 6711	Slide cover	1	7	o*	
├RSH 6712	Knob	1	7	o*	
├RSH 6713	Fixture	2	7	o*	
├RSH 6714	Rivet	2	7	o*	
└RSH 6716	Plate	2	7	o	

220 Roll Film Holder for Mamiya RB67

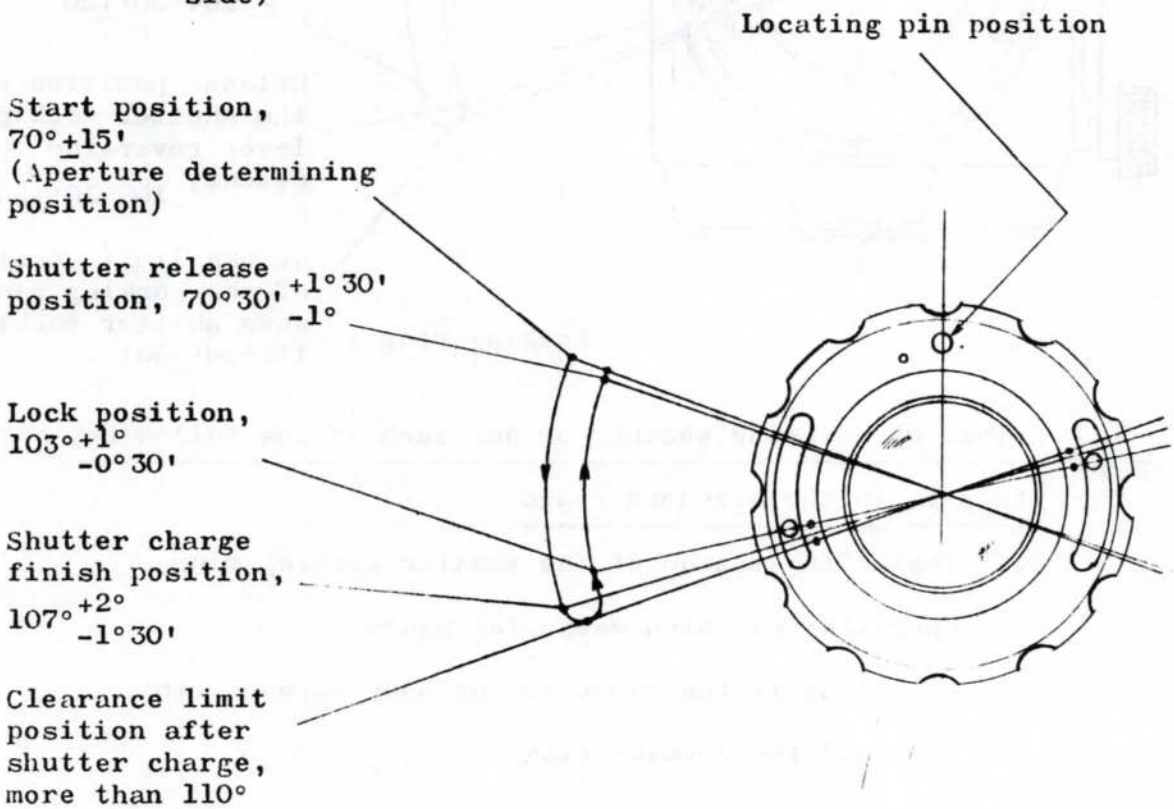
Parts No.	Description	Pcs.	Ref. Page	Term of Sale	Common Parts NO.
RSH 6991	Gear	1	8	o	
RSH 6993	Exposure counter plate	1	8	o	
RSH 6937	Discrimination plate	1	8	o	
RSH 6192	Open and close plate	1	7	o	
RSH 6915K2	Pressure plate assembly	1	8	o	
├RSH 6915	Pressure plate	1	-	x*	
└RSH 6316	Hub	1	-	x*	

REPAIR MANUAL

I. Operating Position of the Lens Shutter Cocking Pin and Operating Position of the Body Cocking Ring

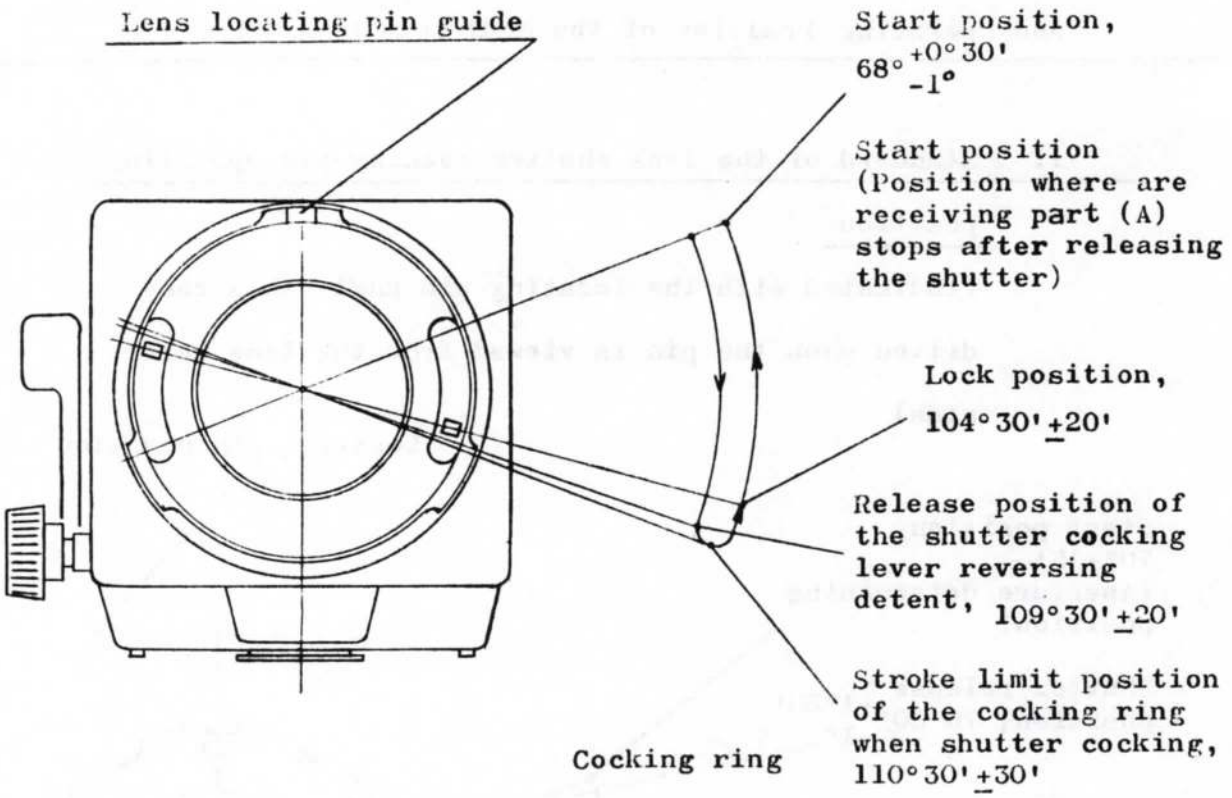
1. Standard of the lens shutter cocking pin operating position

(Indicated with the locating pin angle in a condition when the pin is viewed from the lens rear side)


Locating pin position
Start position, 70° ±15' (Aperture determining position)
Shutter release position, 70°30' +1°30' -1°
Lock position, 103° +1° -0°30'
Shutter charge finish position, 107° +2° -1°30'
Clearance limit position after shutter charge, more than 110°

2. Standard of the cocking ring operating position

(Indicated at an angle between the lens locating pin guide of the bayonet mount and the receiving port (A) of the shutter cocking pin on the cocking ring)

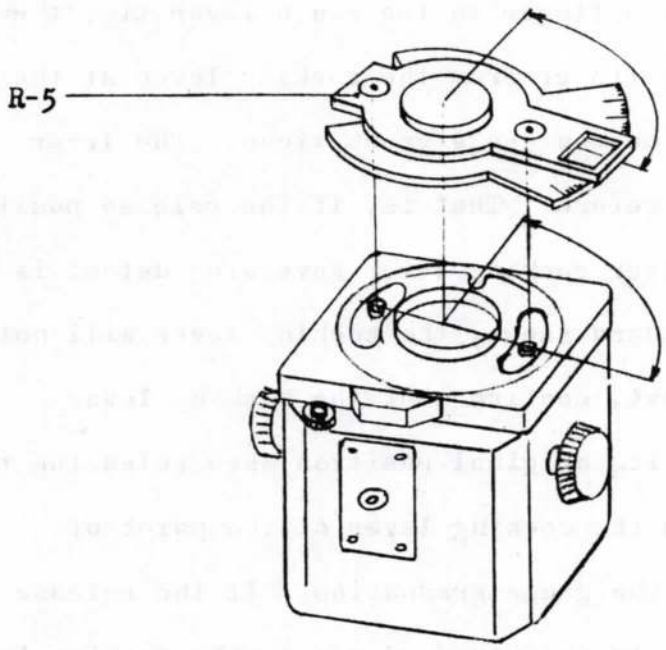

Lens locating pin guide
Start position, 68° +0° 30' -1°
Start position (Position where are receiving part (A) stops after releasing the shutter)
Lock position, 104° 30' ±20'
Release position of the shutter cocking lever reversing detent, 109° 30' ±20'
Stroke limit position of the cocking ring when shutter cocking, 110° 30' ±30'
Cocking ring

3. Method of checking whether or not each of the following items is in the standard range

3.1 Installing method of the shutter cocking ring operating position measuring gauge

o Install the gauge on the body bayonet ring and the cocking ring.

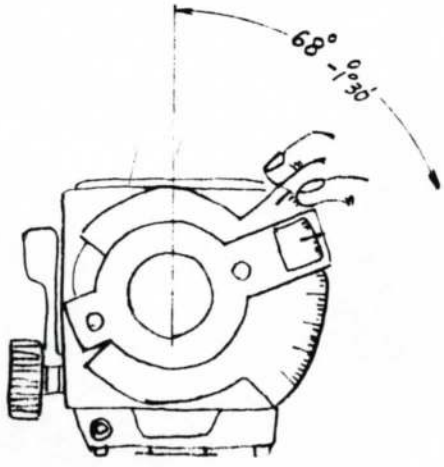
o When measuring, push the gauge installation backlash aside clockwise.



3.2 Measuring the cocking ring start position (stop position of the shutter release condition)

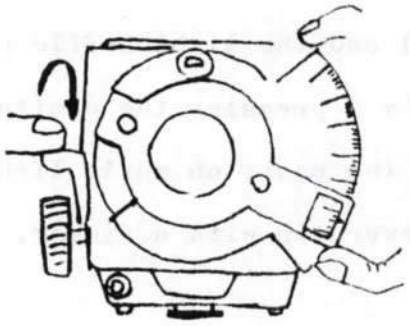
o Previously create a condition that the mirror holder (RS2412) and the light baffle plate (RS2431k) are raised by pressing the shutter button.

o Measure the position while lightly turning the gauge lever tip with a finger.



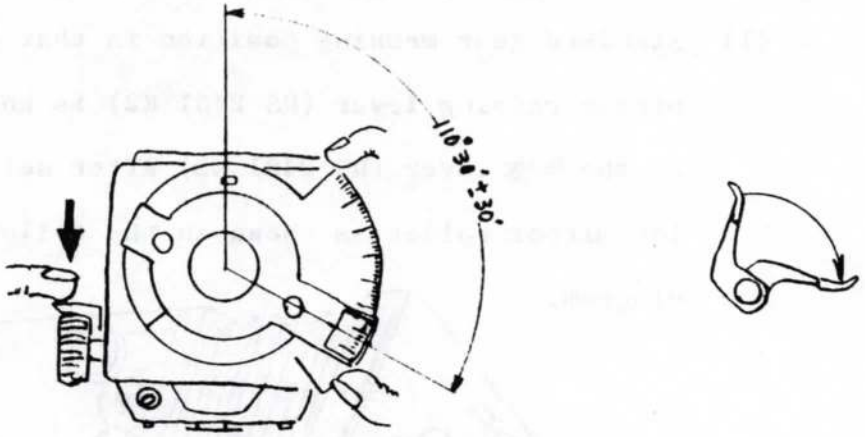
3.3 Measuring the release position of the shutter cocking lever reversing detent

o Gradually depress the shutter cocking lever (RS1311) while sufficiently adding resistance counterclockwise by applying a finger to the gauge lever tip; then release the finger from the cocking lever at the 109° point on the gauge graduations. The lever should not return. That is, if the release position of the shutter cocking lever reversing detent is in the standard range, the cocking lever will not return. Next, confirm that the cocking lever returns to its original position when releasing the finger from the cocking lever at the point of 109°50' on the gauge graduation. If the release position is in the standard range, the cocking lever returns to its original position.



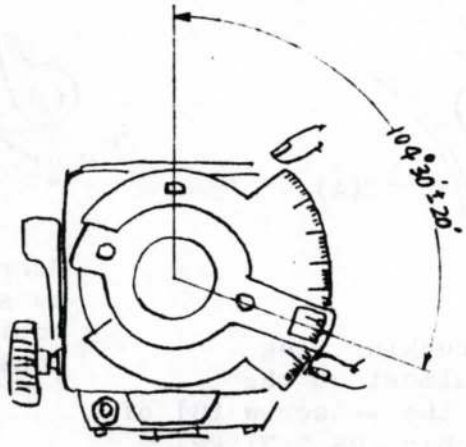
3.4 Measuring the cocking ring stroke limit position

o Measure the angle where the shutter cocking lever is fully pressed down while sufficiently pushing the gauge lever tip counterclockwise with a finger.



3.5 Measuring the cocking ring lock position

o Measure the lock position by lightly pressing the gauge lever counterclockwise in a condition that the shutter cocking lever returns to its original position after setting the mirror holder.

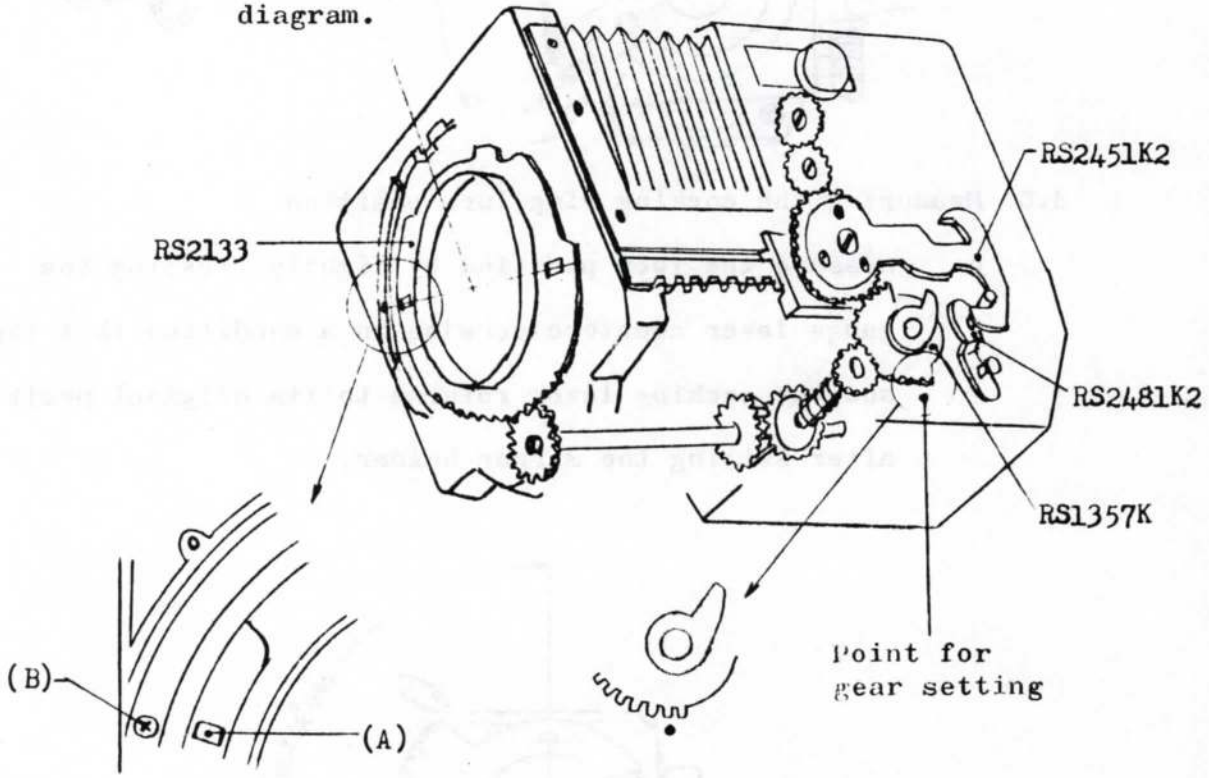


4. Adjusting each operation position of the cocking ring

o Before adjusting each operating position of the cocking ring, confirm whether or not all gears move smoothly while meshing with each other.

4.1 Adjusting standard gear meshing positions and the cocking ring lock position

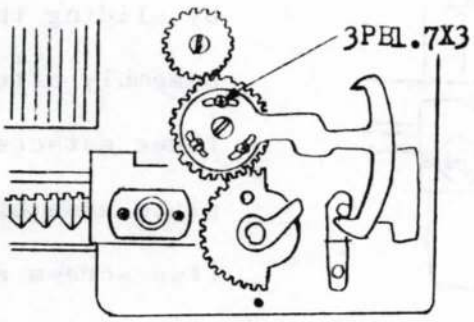
(1) Standard gear meshing position is that the mirror raising lever (RS 2451 K2) is hooked on the hang lever (RS 2481 K2) after setting the mirror holder as shown in the following diagram.



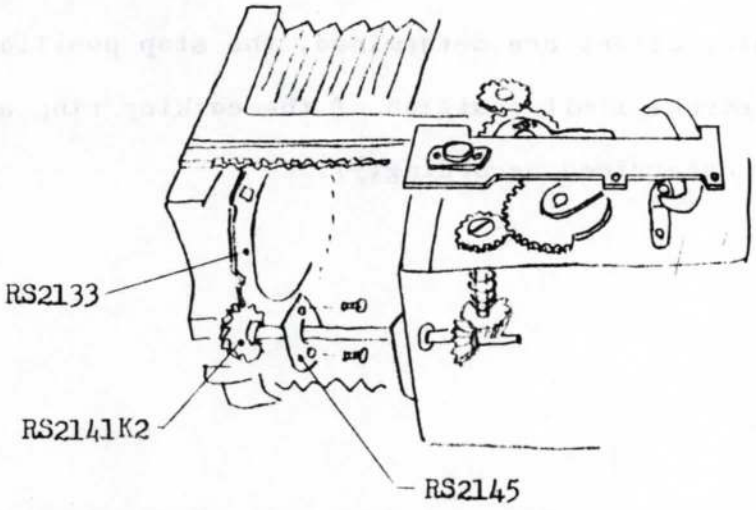
Gear setting point must be set between the first tooth space and the second tooth space

Hole (A) of the cocking ring (RS 2133) comes almost at the same position as the setscrew (B) of the bayonet assembly (RS 2121 K2)

(2) Regarding adjustment of the cocking ring lock position (104°30'±20'), adjust it by turning the mirror raising lever to the right and left after loosening three set-screws (3PB 1.7x3).

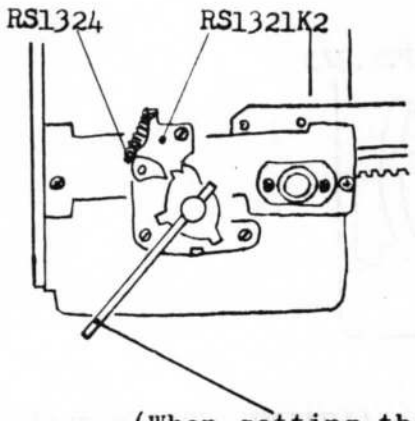


(3) If the cocking ring lock position (104°30'±20') cannot be adjusted even when completely sliding the screw locking position of the mirror raising lever (RS2451), remove the hole plate (RS2145) and change the meshing point of the cocking gear and shaft assembly (RS2141K2) and the cocking ring (RS2133) one tooth, then readjust the screw locking position of the mirror raising lever.



(4) When the meshing position is widely slid or when reinstalling gears on the body, refer to subpar. 5, Precautions and Procedures on Reinstalling Gears.

4.2 Adjusting the release position of the shutter cocking lever reversing detent

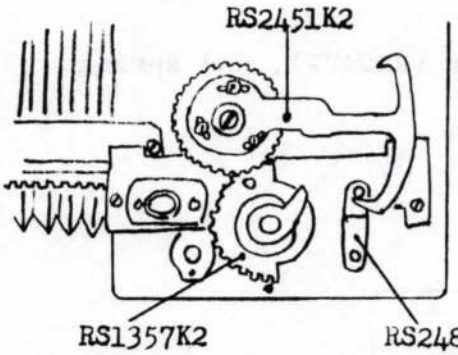


(When setting the lever, use a 2mmø rod instead of the removed lever)

(1) Adjust the release position by sliding the base plate assembly after loosening three setscrews of the base plate assembly (RS1321K2) (two screws are tightened with nuts from the body rear surface) so that the ratchet pawl (RS1324) comes off of the ratchet gear (RS1316) tooth when the cocking ring position is within 109°30'±20'.

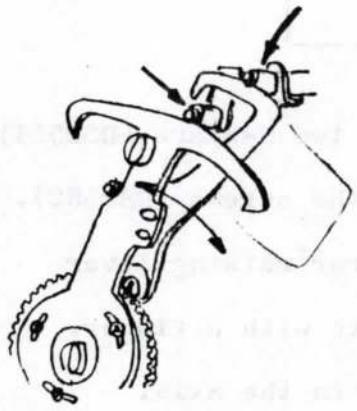
*(When the lock position of the cocking ring and the release position of the shutter cocking lever reversing detent are determined, the stop position and stroke limit position of the cocking ring are also determined accordingly).

5. Precautions and procedures on reinstalling gears



Gear setting point

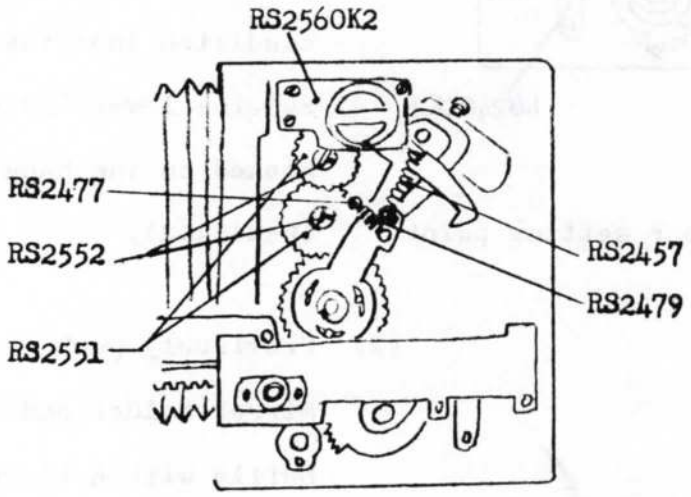
(1) Mesh the gears so that the gear setting point comes between the first tooth space and second tooth space of the gear assembly (RS1357K2) in a condition that the mirror raising lever (RS2451K2) is hooked on the hang lever (RS2481K2).



(2) Previously push up the mirror holder and the light baffle with a finger; then use a finger to confirm whether or not the mirror raising lever assembly (RS2451K2) and the light baffle raising lever assembly (RS2415K2) move smoothly. When fully operating the raising lever assemblies, there should be no clearances between pins of the mirror holder and light baffle and the respective raising levers.

If raising levers do not operate smoothly or clearances are generated between the pins and levers, adjust such clearances by bending the base portions of the mirror holder and light baffle pins.

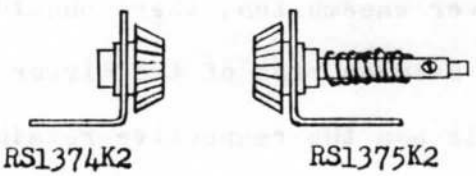
(3) Install the spring (RS2457), collar (RS2477), and spring (RS2479) as shown in the diagram.



(4) Install the governor (RS2560K2) and two G-gears (RS2551) on the body by securely tightening the screws (RS2552).

Note) Check whether or not the mirror raising lever moves smoothly by operating it with a finger.

(5) An allowance of approximately 0.2mm in the axial direction is necessary for bevel gears of the bevel

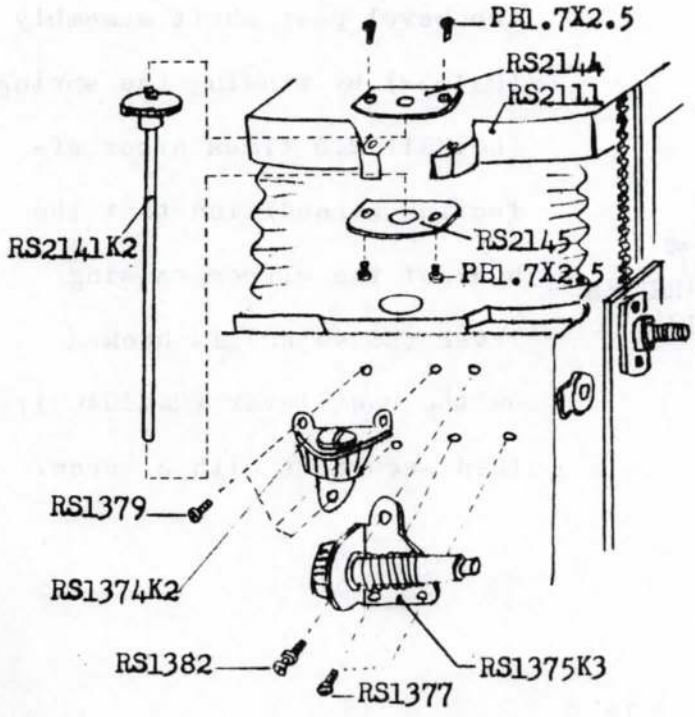


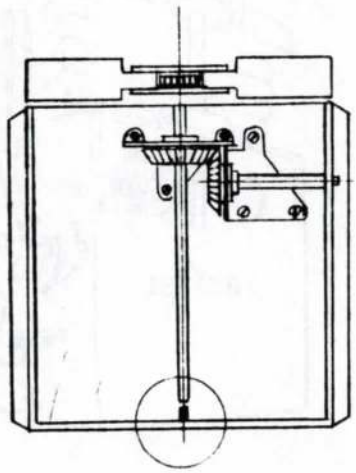
gears assemblies (RS1374K2) and (RS1375K3). When the allowance is too small, remove the washer (RS1372).

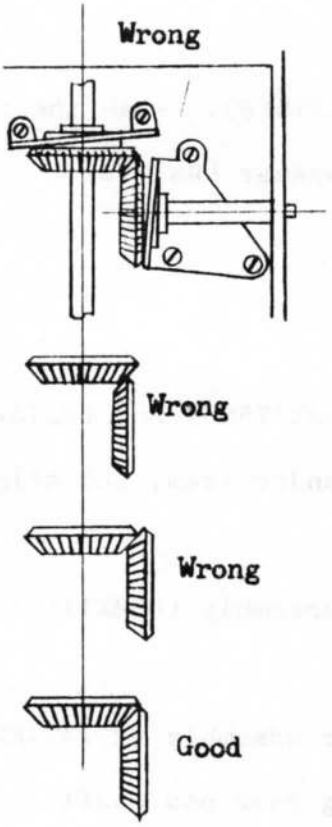
(6) Install the bevel gear assemblies (RS1375K3) and (RS1374K2) with the washers (RS1376) inserted under them, and slightly tighten the screws (RS1377).

(7) Install the cocking gear and shaft assembly (RS2141K2) with its related parts.

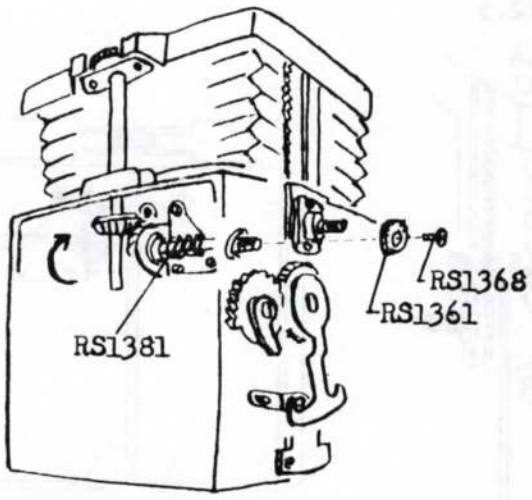
(8) Determine position of the bevel gear assembly (RS1374K2) so that the shaft end of the cocking gear and shaft assembly (RS2141K2) coincides with the screw tip protruding from the body rear; then secure it with screws.



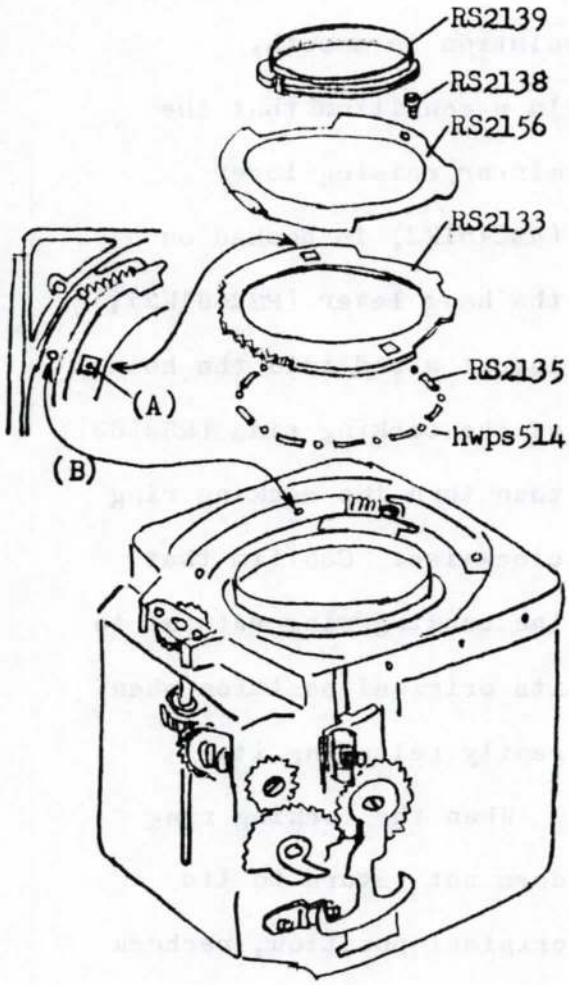




(9) Install the bevel gears, base plate front (RS1374), base plate side (RS1375), cocking gear and shaft assembly (RS2141K2), and bevel gear shaft assembly (RS1362K2) with correct and adequate meshing to assure smooth operation and without inclination of each shaft.



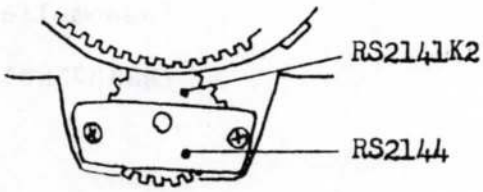
(10) Install the gear (RS1361) on the bevel gear shaft assembly (RS1362) by winding the spring (RS1381) 2.5 times after effecting a condition that the hook of the mirror raising lever (RS2451K2) is hooked on the hang lever (RS2461K2); then secure it with a screw.

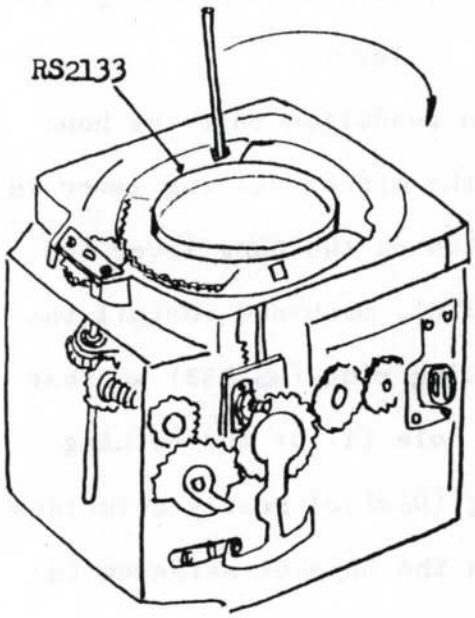


Note) Check on smooth operation of the mirror raising lever by operating the lever.

(11) In a condition that the hook of the mirror raising lever is hooked on the hang lever (RS 2481K2), mesh and install the cocking ring (RS2133) so that the hole (A) of the cocking ring (RS2133) nearly coincides with the bayonet setscrew (B) as shown in the diagram.

(12) Adjust installation position of the catch plate (RS2144) so that the cocking ring (RS2133) and the cocking gear of the cocking gear and shaft assembly (RS2141K2) mesh well.





(13) Perform the following operations to confirm whether or not gear revolution is smooth.

o In a condition that the mirror raising lever (RS2451K2) is hooked on the hang lever (RS2481K2), insert a rod into the hole of the cocking ring (RS2133); then turn the cocking ring clockwise. Confirm that the cocking ring returns to its original position when gently releasing it.

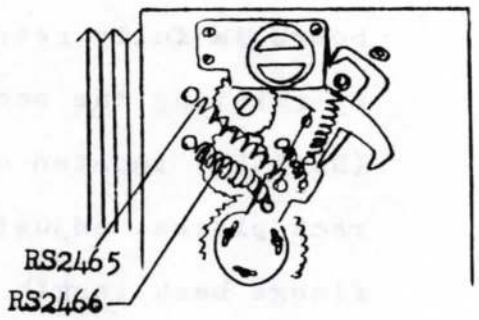
When the cocking ring does not return to its original position, recheck installation condition of the cocking ring (RS2133) or meshing conditions of the cocking gear and shaft (RS2141K2), and bevel gear assemblies (RS1374K2) and (RS1375K3).

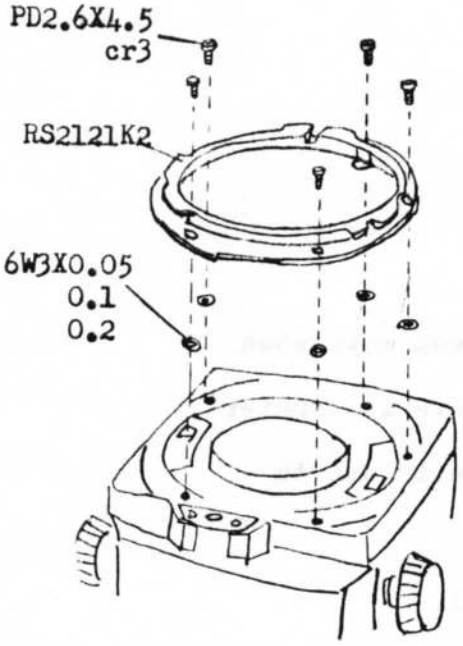
o Confirm that the cocking ring does not move when using a finger to apply force to move it counter-clockwise. When it moves, the cause is due to shallow meshing of each gear.

(14) Install the springs (RS2465) and (RS2466).

Note) Confirm raising condition of the mirror holder assembly and the light baffle assembly by operating the mirror raising lever (RS2451K2).

ABSOLUTELY NEVER OPERATE THE MIRROR RAISING LEVER (RS2351K2) BY INSTALLING ONLY THE SPRINGS (RS2466, 2465), WITHOUT ATTACHING THE GOVERNOR.





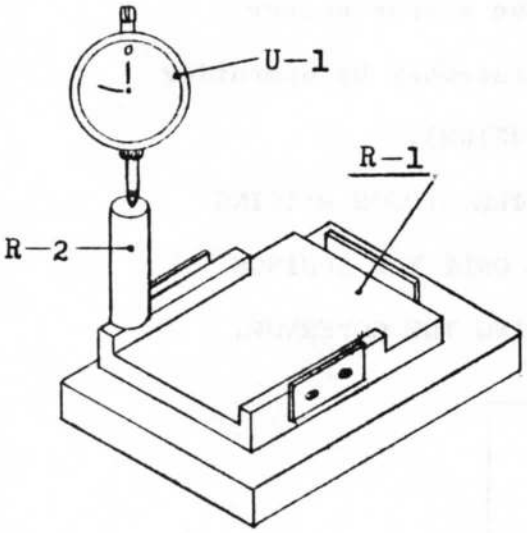
(15) Install the bayonet assembly (RS2121K2)

Parallelism should be within 0.1mm.

Adjusting method

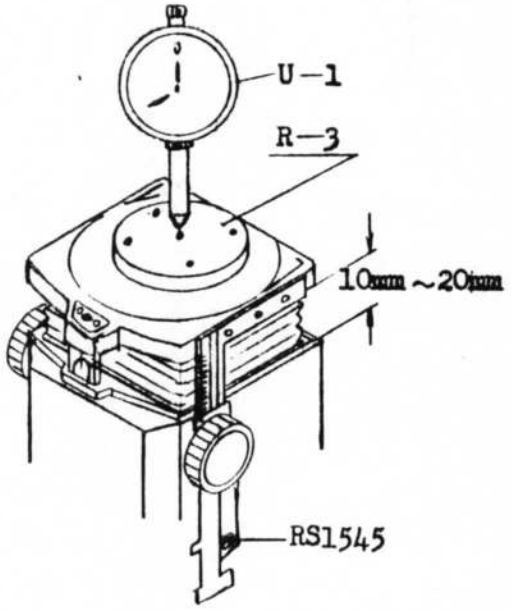
After removing the bayonet ring, adjust parallelism by using 6W3 x 0.05, 0.1 or 0.2 washer.

At positions where retracted by using the right and left focusing knobs respectively, and at the intermediate position of extension and retraction, parallelism must be maintained within 0.1mm.



Adjusting infinity (∞) after regulating parallel

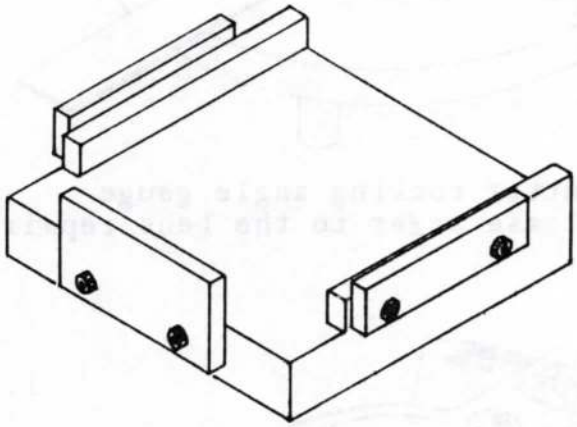
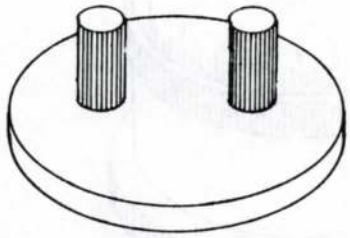
At the position where the lens board is fully retracted (infinity), by rotating the eccentric cam (RS 1545) located on the right and left rack plates, adjust so that the flange back length becomes 96.1 ± 0.03mm at the center portion of the measuring plate (R-3).



Readjust the error by operating the right and left focusing knobs. When fully extended, the value is

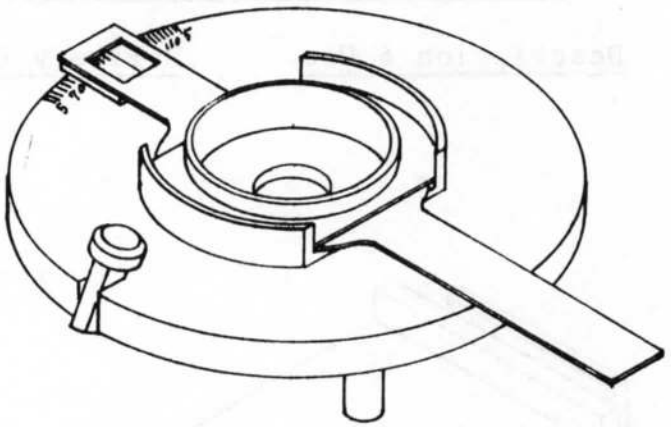
Repair Tool List and
Special Measuring Instrument List

SPECIAL TOOLS AND MEASURING
INSTRUMENTS FOR MAMIYA RB67 CAMERA

Instrument No. (Old Inst. No.)	Description & Use	Delivery Period	Unit Price FOB/Japan US$
R-1 (RS-111-2)	 Camera body supporter (Exclusively used for Inst. No.U-1)	1.5 months	
R-2 (RS-1111-1)	Standard gauge bar (Exclusively used for Inst. No.U-1)	1.5 months	
R-3 (RS111-3)	 Parallel disc gauge (Exclusively used for Inst. No. U-1)	1.5 months	

R-4
(LG-111-211)

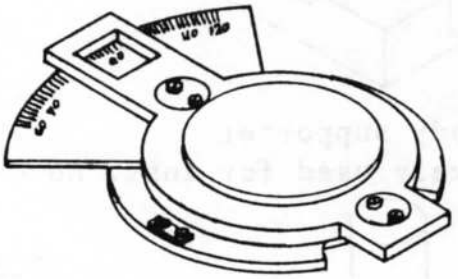
1.5 months



Shutter cocking angle gauge
(Please refer to the Lens-repair manual)

R-5
(RS-2000)

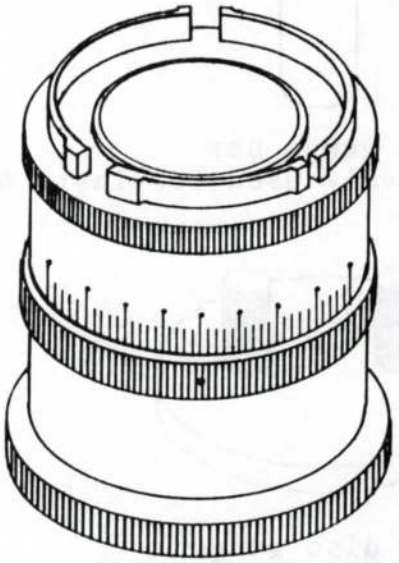
1.5 months



Body-cocking angle gauge
(Please refer to the Body-repair manual)

R-6

2.0 months



Lens infinity-focusing check supporter
(Please refer to the Lens-repair manual)

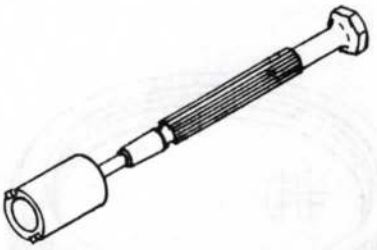
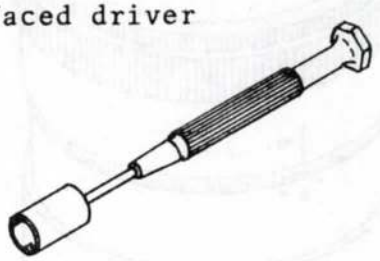
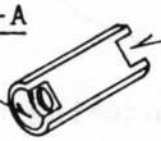
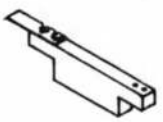
For Auto-Collimator
(Vertical type)

R-7

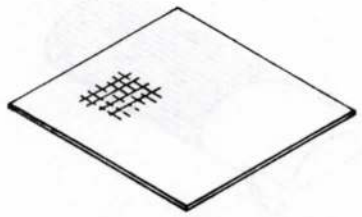
1.5 months

Lens infinity-focusing check gauge

For collimator
(Horizontal type)

Tool No. (Old tool No.)	Description & Use	Delivery Period	Unit Price FOB/Japan US$
R-11 (RS-1172)	 Pin faced driver	1.0 month	For tightening and loosening RS-1172 Nut
R-12 (RS-1342)	 Driver	1.0 month	For tightening and loosening RS-1342 Nut
R-13 (RS-1465)	Deep cut side-A  Shallow cut side-B Shutter release button check gauge	1.0 month	Shutter must be released by pushing the shutter release button with shallow cut side-B and not be released with deep cut side-A
R-14 (RS-1616)	Wrench	1.0 month	Fot tightening and loosening Tripod socket (RS-1616)
R-15 (RS-2139)	Wrench	1.0 month	For wrenching Retaining nut (RS-2139)
R-16 (RS-2531)	 Signal lever check gauge	1.0 month	For checking signal lever (RS-2531)

R-17

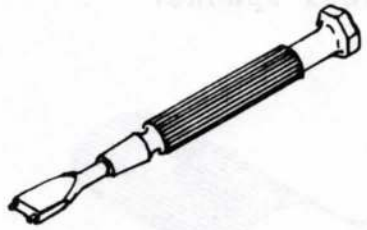


Focusing ground glass

1.0 month

For checking
Body-focusing

R-18
(RS-2623)

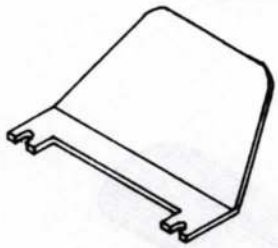


Adjusting driver

1.0 month

For adjusting RS-2623-
Screw

R-19

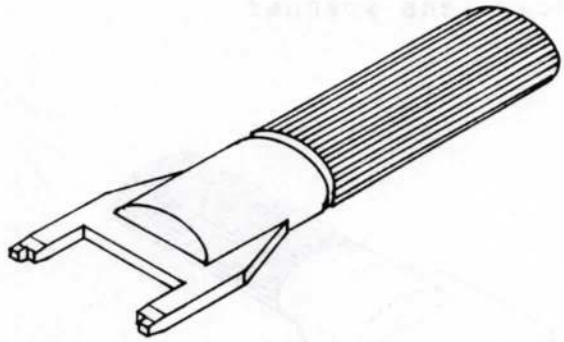


Adjusting tool

1.0 month

For adjustment of
focusing screen

R-20
(LG111-212)

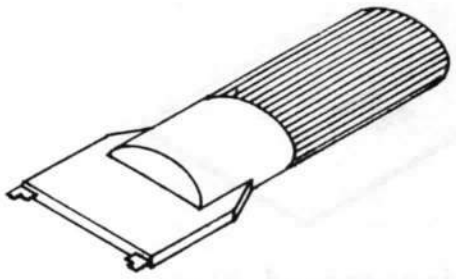


Wrench

1.0 month

For wrenching Shutter
fixing nut

R-21
(LH61-124)

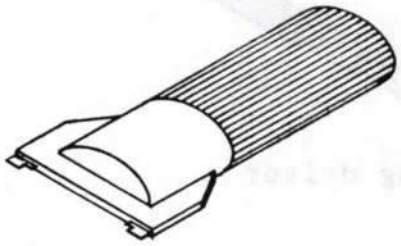


Rear lens spanner

1.0 month

For 65mm f4.5 lens

R-22
(LG111-116)

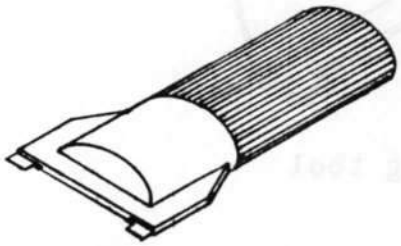


Rear lens spanner

1.0 month

For 90mm f3.8 lens

R-23
(LE101-114)

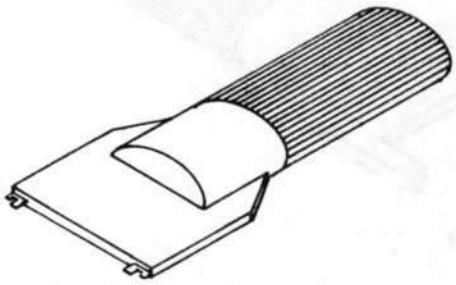


Rear lens spanner

1.0 month

For 127mm f3.8 lens

R-24
(LE121-121)

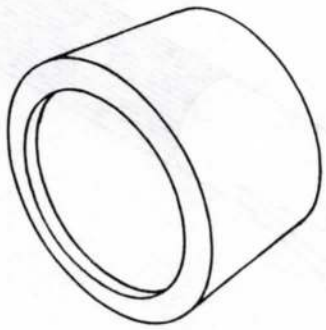


Rear lens spanner

1.0 month

For 250mm f4.5 lens

R-25

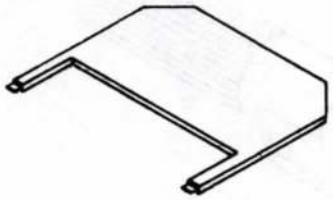


Rubber tightener

1.0 month

For tightening and loosening lens-name ring

R-26

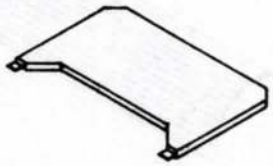


Front lens wrench

1.5 months

For 65mm f4.5 lens

R-27

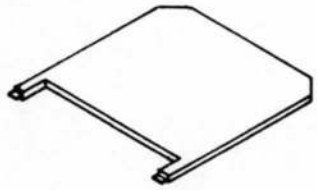


Front lens wrench

1.5 months

For 90mm f3.8 lens

R-28

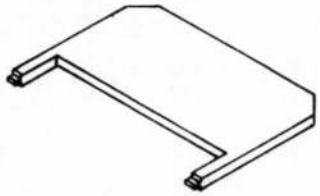


Front lens wrench

1.5 months

For 127mm f3.8 lens

R-29

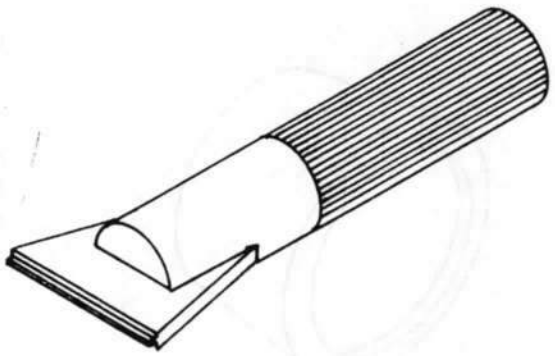


Front lens wrench

1.5 months

For 180mm f4.5 lens

R-30



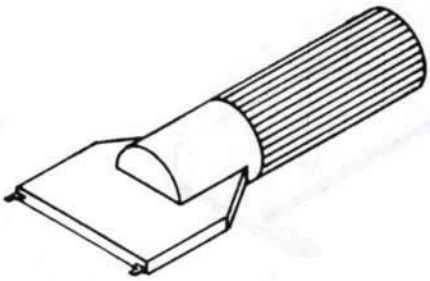
Wrench

1.5 month

For 360mm f6.3 Lens

Wrenching mounting fixing nut.

R-31

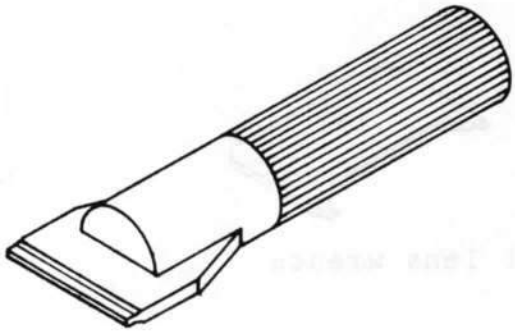


Rear lens spanner

1.5 month

For 360mm f6.3 Lens

R-32



Wrench

1.5 month

For 360mm f6.3 Lens

Wrenching shutter fixing nut